Permit to Operate

FACILITY: S-1703 **EXPIRATION DATE:** 07/31/200

LEGAL OWNER OR OPERATOR: MACPHERSON OIL COMPANY
MAILING ADDRESS: P O BOX 5368
BAKERSFIELD, CA 93388

FACILITY LOCATION: HEAVY OIL CENTRAL
, CA

FACILITY DESCRIPTION: OIL AND NATURAL GAS PRODUCTION

The Facility to Operate may include Facility-wide Requirements as wel as requirements that apply to specific permit units.

The Permit to Opertae remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

DAVID L. CROW
Executive Director / APCO

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Diector of Permit Services

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-0-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
FACILITY WIDE

PERMIT UNIT REQUIREMENTS

1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)], [Federally Enforceable Through Title V]

2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)], [Federally Enforceable Through Title V]

3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0], [Federally Enforceable Through Title V]

4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020. [District Rules 2010, 3.0 and 4.0; and 2020], [Federally Enforceable Through Title V]

5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 and 9.13.1], [Federally Enforceable Through Title V]

6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031], [Federally Enforceable Through Title V]

7. Every application for a permit required under Rule 2010 (Permits Required) shall be filed in a manner and form prescribed by the District. [District Rule 2040], [Federally Enforceable Through Title V]

8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.5.1], [Federally Enforceable Through Title V]

9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]

10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.6.1], [Federally Enforceable Through Title V]

11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520. [District Rules 2520, 9.6.2 and 1100, 7.0], [Federally Enforceable Through Title V]

12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit . [District Rule 2520, 9.8], [Federally Enforceable Through Title V]

13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.9.2], [Federally Enforceable Through Title V]

14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.9.3], [Federally Enforceable Through Title V]

15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.9.4], [Federally Enforceable Through Title V]

16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.9.5], [Federally Enforceable Through Title V]

17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.10], [Federally Enforceable Through Title V]

18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.14.2.1], [Federally Enforceable Through Title V]

19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.14.2.2], [Federally Enforceable Through Title V]

20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.14.2.3], [Federally Enforceable Through Title V]

21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.14.2.4], [Federally Enforceable Through Title V]

22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101, by using EPA method 9. If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]

23. No person shall supply, sell, solicit or apply any architectural coating, except specialty coatings, that contains more than 250 grams of VOC per liter of coating (less water and exempt compounds, and excluding any colorant added to tint bases), or manufacture, blend, or repackage such coating with more than 250 grams of VOC per liter (less water and exempt compounds, and excluding any colorant added to tint bases) for use within the District. [District Rule 4601, 5.1], [Federally Enforceable Through Title V]

24. No person shall apply, sell, solicit, or offer for sale any specialty architectural coating listed in the Table of Standards (District Rule 4601, Table 1 and Table 2), nor manufacture, blend, or repackage such coating for use within the District, which contains VOCs (less water and exempt compounds, excluding any colorant added to tint bases) in excess of the specified limits listed in Table 1 (grams of VOC per liter of coating as applied less water and exempt compounds, excluding any colorant added to tint bases) and in Table 2 (grams of VOC per liter of material), except as provide in Section 5.3 of Rule 4601. [District Rule 4601, 5.2], [Federally Enforceable Through Title V]

25. All VOC-containing materials shall be stored in closed containers when not in use. In use includes, but is not limited to: being accessed, filled, emptied, maintained or repaired. [District Rule 4601, 5.4], [Federally Enforceable Through Title V]

26. A person shall not use VOCs for the cleanup of spray equipment unless equipment for collection of the cleaning compounds and minimizing its evaporation to the atmosphere is used. [District Rule 4601, 5.5], [Federally Enforceable Through Title V]

27. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.2. [District Rule 4601, 6.1 and 6.2], [Federally Enforceable Through Title V]

28. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.14.1 and 10.0], [Federally Enforceable Through Title V]

29. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F], [Federally Enforceable Through Title V]

30. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart F. [40 CFR Part 82, Subpart F], [Federally Enforceable Through Title V]

31. Disturbances of soil related to any construction, demolition, excavation, extraction, or water mining activities shall comply with the requirements for fugitive dust control in SJVUAPCD District Rule 8020 unless specifically exempted under section 4 of Rule 8020. [District Rule 8020], [Federally Enforceable Through Title V]

32. Outdoor handling and storage of any bulk material which emits dust shall comply with the requirements of SJVUAPCD Rule 8030, unless specifically exempted under section 4 of Rule 8030. [District Rule 8030], [Federally Enforceable Through Title V]

33. Any paved road over 3 miles in length, and any unpaved roads over half a mile in length, constructed after October 10, 1993 shall use the design criteria and dust control measures of, and comply with the administrative requirements of, SJVUAPCD Rule 8060 unless specifically exempted under section 4 of Rule 8060. [District Rule 8060], [Federally Enforceable Through Title V]

34. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M], [Federally Enforceable Through Title V]

35. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.17], [Federally Enforceable Through Title V]

36. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2], [Federally Enforceable Through Title V]

37. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permit shall apply. [District Rule 2520, 9.1.1], [Federally Enforceable Through Title V]

38. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

39. Should the facility, as defined in 40 CFR 68.3, become subject to Part 68, then the owner or operator shall submit a risk management plan (RMP) by the date specified in 40 CFR 68.10. The facility shall certify compliance as part of the annual certification as required by 40 CFR part 70. [40 CFR 68], [Federally Enforceable Through Title V]

40. On May 31, 2001, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report are based upon this initial permit issuance date, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days of the end of each reporting period. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-1-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
7.6 MMBTU/HR LOCOMOTIVE BOILER

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grain/dscf, 0.1 grain/dscf calculated to 12% CO2, nor 10 lb/hr. [District Rule 4201, 3.1; District Rule 4301, 5.1 and 5.2.3], [Federally Enforceable Through Title V]
2. Fuel oil sulfur content shall not exceed 1.1% by weight. [District NSR Rule], [Federally Enforceable Through Title V]
3. All combustion equipment (burner, combustion air controls, fuel preheating and atomizing equipment, etc.) shall be operated and maintained as intended by manufacturer. [District NSR Rule], [Federally Enforceable Through Title V]
4. All required source testing shall conform to the compliance testing procedures described in District Rule 1081(Last Amended December 16,1993). [District Rule 1081], [Federally Enforceable Through Title V]
5. Copies of all fuel invoices, gas purchase contracts, supplier certifications, and test results to determine compliance with the conditions of this permit shall be maintained. The operator shall record daily amount and type(s) of fuel(s) combusted and all dates on which unit is fired on any noncertified fuel. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. Source testing shall be performed using EPA Method 5 while firing on residual oil (including crude or topped crude) to demonstrate compliance with PM emission limits. Source testing shall be performed within 60 days of firing on residual oil unless such testing has been performed within the 12 month period prior to firing on said oil and the test results showed compliance with PM emission limits of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Emissions of sulfur compounds from this unit shall not exceed 200 lb per hour, calculated as SO2. Compliance with this requirement may be demonstrated by firing the unit only on PUC or FERC regulated natural gas or on diesel fuel not exceeding 0.5% sulfur by weight; or by testing the sulfur content of each fuel and determining the maximum hourly emissions of sulfur compounds by multiplying the sulfur content of each fuel in lb/MMBtu by the maximum heat input rating of the unit; or by source testing in combination with fuel analysis. [District Rule 2520, 9.4.2 and District Rule 4301, 5.2.1], [Federally Enforceable Through Title V]
8. When complying with sulfur emission limits by fuel analysis or by a combination of source testing and fuel analysis, each fuel source shall be tested weekly for sulfur content and higher heating value. If compliance with the fuel sulfur content limit and sulfur emission limits has been demonstrated for 8 consecutive weeks for a fuel source, then the fuel testing frequency shall be semi-annually. If a semi-annual fuel content source test fails to show compliance, weekly testing shall resume. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. When complying with SOx emission limits by testing of stack emissions, testing shall be performed not less than once every 12 months using EPA Method 6B; or Method 8; or, for units using gaseous fuel scrubbed for sulfur pre-combustion, a grab sample analysis by GC-FPD/TCD performed in the laboratory and EPA Method 19 to calculated emissions. Gaseous fuel fired units demonstrating compliance on two consecutive annual source tests shall be tested not less than once every thirty-six months; however, annual source testing shall resume if any test fails to show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. If the unit is fired on noncertified gaseous fuel and compliance with SOx emission limits is achieved through fuel sulfur content limitations, then the sulfur content of the gaseous fuel being fired in the unit shall be determined using ASTM D 1072-80, D 3031-81, D 4084-82, D 3246-81 or grab sample analysis by GC-FPD/TCD performed in the laboratory. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. If the unit is fired on noncertified liquid fuel and compliance with SOx emission limits is achieved through fuel sulfur content limitations, then the sulfur content of the liquid fuel being fired in the unit shall be determined using ASTM D 2880-71. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. If fuel analysis is used to demonstrate compliance with the conditions of this permit, the fuel higher heating value for each fuel shall be certified by third party fuel supplier or determined by: ASTM D 240-87 or D 2382-88 for liquid hydrocarbon fuels; ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89 for gaseous fuels. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

13. The concentration of sulfur compounds in the exhaust from this unit shall not exceed 0.2% by volume as measured on a dry basis over a 15 minute period [County Rules 404 (Madera), 406 (Fresno), and 407 (Kern, Kings, Merced, San Joaquin, Stanislaus, and Tulare)]. To demonstrate compliance with this requirement the operator shall do one of the following: fire the unit only on PUC or FERC regulated natural gas or diesel fuel not exceeding 0.5% sulfur by weight; or test the sulfur content of each fuel source and demonstrate the sulfur content does not exceed 3.3% by weight for gaseous fuels or 3.0% by weight for residual oil (including crude or topped crude); or determine that the concentration of sulfur compounds in the exhaust does not exceed the concentration limit by a combination of source testing and fuel analysis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

14. Nitrogen oxide (NOx) emissions shall not exceed 140 lb/hr, calculated as NO2. For residual and crude oil fired units, compliance may be demonstrated through supplier certification of nitrogen content and heating value or by weekly fuel testing for nitrogen content and heating value. Hourly emissions shall be calculated using the heating value, maximum rated unit capacity, and the following formula: lb NO2/1000 gal = 20.54 + 104.39 (N), where N is the weight % nitrogen in the fuel. If compliance with the NOx emission limit is demonstrated through the fuel nitrogen content testing and compliance has been demonstrated for 8 consecutive weeks for a fuel source, then the fuel testing frequency shall be bi-annually. If a bi-annual fuel content source test fails to show compliance, weekly testing shall resume. [District Rules 4301, 5.2.2 and 2520, 9.4.2], [Federally Enforceable Through Title V]

15. If the unit is fired on noncertified residual or crude oil and compliance with NOx emission limits is achieved through fuel nitrogen content testing, then the nitrogen content of the fuel being fired in the unit shall be determined using ASTM D3431-80. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

16. Visible emissions inspection shall be conducted after every 1 million gallons of fuel combusted, to be counted cumulatively over a 5-year period. If a visible emissions inspection documents opacity, a method 9 evaluation shall be completed within 3 working days, or during the next scheduled operating period if the unit ceases firing on fuel oil within the 3 working day time frame. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-2-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
2.28 MMBTU/HR HEATER TREATER

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grain/dscf, 0.1 grain/dscf calculated to 12% CO2, nor 10 lb/hr. [District Rule 4201, 3.1; District Rule 4301, 5.1 and 5.2.3], [Federally Enforceable Through Title V]
2. Fuel oil sulfur content shall not exceed 1.1% by weight. [District NSR Rule], [Federally Enforceable Through Title V]
3. All combustion equipment (burner, combustion air controls, fuel preheating and atomizing equipment, etc.) shall be operated and maintained as intended by manufacturer. [District NSR Rule], [Federally Enforceable Through Title V]
4. Sulfur content of the fuel being fired in the unit shall be determined using ASTM D 2880-71. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. Fuel source shall be tested weekly for sulfur content. If compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the fuel testing frequency shall be semi-annually. If a semi-annual fuel content source test fails to show compliance, weekly testing shall resume. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. Source testing shall be performed using EPA Method 5 while firing on residual oil (including crude or topped crude) to demonstrate compliance with PM emission limits. Source testing shall be performed within 60 days of firing on residual oil unless such testing has been performed within the 12 month period prior to firing on said oil and the test results showed compliance with PM emission limits of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. All required source testing shall conform to the compliance testing procedures described in District Rule 1081 (Amended December 16, 1993). [District Rule 1081], [Federally Enforceable Through Title V]
8. Copies of all fuel invoices, gas purchase contracts, supplier certifications, and test results to determine compliance with the conditions of this permit shall be maintained. The operator shall record daily amount and type(s) of fuel(s) combusted and all dates on which unit is fired on any noncertified fuel and record specific type of noncertified fuel used. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. Emissions of sulfur compounds from this unit shall not exceed 200 lb per hour, calculated as SO2. Compliance with this requirement may be demonstrated by firing the unit only on diesel fuel not exceeding 0.5% sulfur; by testing the sulfur content of each fuel and determining the maximum hourly emissions of sulfur compounds by multiplying the sulfur content of each fuel in lb/MMBtu by the maximum heat input rating of the unit; or by source testing in combination with fuel analysis. [District Rules 2520, 9.4.2 and 4301, 5.2.1], [Federally Enforceable Through Title V]
10. Fuel higher heating value for each fuel shall be certified by third party fuel supplier or determined by ASTM D 240-87. [District Rule 2520, 9.4.2; 4305, 6.2.1; and 4351, 6.2.1], [Federally Enforceable Through Title V]
11. Nitrogen oxide (NOx) emissions shall not exceed 140 lb/hr, calculated as NO2. For residual and crude oil fired units, compliance may be demonstrated through supplier certification of nitrogen content and heating value or by weekly fuel testing for nitrogen content and heating value. Hourly emissions shall be calculated using the heating value, maximum rated unit capacity, and the following formula: lb NO2/1000 gal = 20.54 + 104.39 (N), where N is the weight % nitrogen in the fuel. If compliance with the NOx emission limit is demonstrated through the fuel nitrogen content testing and compliance has been demonstrated for 8 consecutive weeks for a fuel source, then the fuel testing frequency shall be bi-annually. If a bi-annual fuel content source test fails to show compliance, weekly testing shall resume. [District Rules 4301, 5.2.2 and 2520, 9.4.2], [Federally Enforceable Through Title V]
12. If the unit is fired on noncertified residual or crude oil and compliance with NOx emission limits is achieved through fuel nitrogen content testing, then the nitrogen content of the fuel being fired in the unit shall be determined using ASTM D3431-80. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. If the unit is fired on noncertified gaseous fuel and compliance with SOx emission limits is achieved through fuel sulfur content limitations, then the sulfur content of the gaseous fuel being fired in the unit shall be determined using ASTM D 1072-80, D 3031-81, D 4084-82, D 3246-81 or grab sample analysis by GC-FPD/TCD performed in the laboratory. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-3-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
2.28 MMBTU/HR LOCOMOTIVE BOILER

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grain/dscf, 0.1 grain/dscf calculated to 12% CO2, nor 10 lb/hr. [District Rule 4201, 3.1; District Rule 4301, 5.1 and 5.2.3], [Federally Enforceable Through Title V]
2. Fuel oil sulfur content shall not exceed 1.1% by weight. [District NSR Rule], [Federally Enforceable Through Title V]
3. All combustion equipment (burner, combustion air controls, fuel preheating and atomizing equipment, etc.) shall be operated and maintained as intended by manufacturer. [District NSR Rule], [Federally Enforceable Through Title V]
4. Sulfur content of the fuel being fired in the unit shall be determined using ASTM D 2880-71. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. Fuel source shall be tested weekly for sulfur content. If compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the fuel testing frequency shall be semi-annually. If a semi-annual fuel content source test fails to show compliance, weekly testing shall resume. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. Source testing shall be performed using EPA Method 5 while firing on residual oil (including crude or topped crude) to demonstrate compliance with PM emission limits. Source testing shall be performed within 60 days of firing on residual oil unless such testing has been performed within the 12 month period prior to firing on said oil and the test results showed compliance with PM emission limits of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. All required source testing shall conform to the compliance testing procedures described in District Rule 1081 (Amended December 16, 1993). [District Rule 1081], [Federally Enforceable Through Title V]
8. Copies of all fuel invoices, gas purchase contracts, supplier certifications, and test results to determine compliance with the conditions of this permit shall be maintained. The operator shall record daily amount and type(s) of fuel(s) combusted and all dates on which unit is fired on any noncertified fuel and record specific type of noncertified fuel used. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. Emissions of sulfur compounds from this unit shall not exceed 200 lb per hour, calculated as SO2. Compliance with this requirement may be demonstrated by firing the unit only on diesel fuel not exceeding 0.5% sulfur; by testing the sulfur content of each fuel and determining the maximum hourly emissions of sulfur compounds by multiplying the sulfur content of each fuel in lb/MMBtu by the maximum heat input rating of the unit; or by source testing in combination with fuel analysis. [District Rules 2520, 9.4.2 and 4301, 5.2.1], [Federally Enforceable Through Title V]
10. Fuel higher heating value for each fuel shall be certified by third party fuel supplier or determined by ASTM D 240-87. [District Rule 2520, 9.4.2; 4305, 6.2.1; and 4351, 6.2.1], [Federally Enforceable Through Title V]
11. Nitrogen oxide (NOx) emissions shall not exceed 140 lb/hr, calculated as NO2. For residual and crude oil fired units, compliance may be demonstrated through supplier certification of nitrogen content and heating value or by weekly fuel testing for nitrogen content and heating value. Hourly emissions shall be calculated using the heating value, maximum rated unit capacity, and the following formula: lb NO2/1000 gal = 20.54 + 104.39 (N), where N is the weight % nitrogen in the fuel. If compliance with the NOx emission limit is demonstrated through the fuel nitrogen content testing and compliance has been demonstrated for 8 consecutive weeks for a fuel source, then the fuel testing frequency shall be bi-annually. If a bi-annual fuel content source test fails to show compliance, weekly testing shall resume. [District Rules 4301, 5.2.2 and 2520, 9.4.2], [Federally Enforceable Through Title V]
12. If the unit is fired on noncertified residual or crude oil and compliance with NOx emission limits is achieved through fuel nitrogen content testing, then the nitrogen content of the fuel being fired in the unit shall be determined using ASTM D3431-80. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. If the unit is fired on noncertified gaseous fuel and compliance with SOx emission limits is achieved through fuel sulfur content limitations, then the sulfur content of the gaseous fuel being fired in the unit shall be determined using ASTM D 1072-80, D 3031-81, D 4084-82, D 3246-81 or grab sample analysis by GC-FPD/TCD performed in the laboratory. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-4-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
5.25 MMBTU/HR LOCOMOTIVE BOILER

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grain/dscf, 0.1 grain/dscf calculated to 12% CO2, nor 10 lb/hr. [District Rules 4201, 3.1 and 4301, 5.1 and 5.2.3], [Federally Enforceable Through Title V]
2. Fuel oil sulfur content shall not exceed 1.1% by weight. [District NSR Rule], [Federally Enforceable Through Title V]
3. All combustion equipment (burner, combustion air controls, fuel preheating and atomizing equipment, etc.) shall be operated and maintained as intended by manufacturer. [District NSR Rule], [Federally Enforceable Through Title V]
4. All required source testing shall conform to the compliance testing procedures described in District Rule 1081(Last Amended December 19,1993). [District Rule 1081], [Federally Enforceable Through Title V]
5. Copies of all fuel invoices, gas purchase contracts, supplier certifications, and test results to determine compliance with the conditions of this permit shall be maintained. The operator shall record daily amount and type(s) of fuel(s) combusted and all dates on which unit is fired on any noncertified fuel. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. Source testing shall be performed using EPA Method 5 while firing on residual oil (including crude or topped crude) to demonstrate compliance with PM emission limits. Source testing shall be performed within 60 days of firing on residual oil unless such testing has been performed within the 12 month period prior to firing on said oil and the test results showed compliance with PM emission limits of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Emissions of sulfur compounds from this unit shall not exceed 200 lb per hour, calculated as SO2. Compliance with this requirement may be demonstrated by firing the unit only on PUC or FERC regulated natural gas or on diesel fuel not exceeding 0.5% sulfur by weight; or by testing the sulfur content of each fuel and determining the maximum hourly emissions of sulfur compounds by multiplying the sulfur content of each fuel in lb/MMBtu by the maximum heat input rating of the unit; or by source testing in combination with fuel analysis. [District Rule 2520, 9.4.2 and District Rule 4301, 5.2.1], [Federally Enforceable Through Title V]
8. When complying with sulfur emission limits by fuel analysis or by a combination of source testing and fuel analysis, each fuel source shall be tested weekly for sulfur content and higher heating value. If compliance with the fuel sulfur content limit and sulfur emission limits has been demonstrated for 8 consecutive weeks for a fuel source, then the fuel testing frequency shall be semi-annually. If a semi-annual fuel content source test fails to show compliance, weekly testing shall resume. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. When complying with SOx emission limits by testing of stack emissions, testing shall be performed not less than once every 12 months using EPA Method 6B; or Method 8; or, for units using gaseous fuel scrubbed for sulfur pre-combustion, a grab sample analysis by GC-FPD/TCD performed in the laboratory and EPA Method 19 to calculated emissions. Gaseous fuel fired units demonstrating compliance on two consecutive annual source tests shall be tested not less than once every thirty-six months; however, annual source testing shall resume if any test fails to show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. If the unit is fired on noncertified gaseous fuel and compliance with SOx emission limits is achieved through fuel sulfur content limitations, then the sulfur content of the gaseous fuel being fired in the unit shall be determined using ASTM D 1072-80, D 3031-81, D 4084-82, D 3246-81 or grab sample analysis by GC-FPD/TCD performed in the laboratory. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. If the unit is fired on noncertified liquid fuel and compliance with SOx emission limits is achieved through fuel sulfur content limitations, then the sulfur content of the liquid fuel being fired in the unit shall be determined using ASTM D 2880-71. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. If fuel analysis is used to demonstrate compliance with the conditions of this permit, the fuel higher heating value for each fuel shall be certified by third party fuel supplier or determined by: ASTM D 240-87 or D 2382-88 for liquid hydrocarbon fuels; ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89 for gaseous fuels. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

13. The concentration of sulfur compounds in the exhaust from this unit shall not exceed 0.2% by volume as measured on a dry basis over a 15 minute period [County Rules 404 (Madera), 406 (Fresno), and 407 (Kern, Kings, Merced, San Joaquin, Stanislaus, and Tulare)]. To demonstrate compliance with this requirement the operator shall do one of the following: fire the unit only on PUC or FERC regulated natural gas or diesel fuel not exceeding 0.5% sulfur by weight; or test the sulfur content of each fuel source and demonstrate the sulfur content does not exceed 3.3% by weight for gaseous fuels or 3.0% by weight for residual oil (including crude or topped crude); or determine that the concentration of sulfur compounds in the exhaust does not exceed the concentration limit by a combination of source testing and fuel analysis. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

14. Nitrogen oxide (NOx) emissions shall not exceed 140 lb/hr, calculated as NO2. For residual and crude oil fired units, compliance may be demonstrated through supplier certification of nitrogen content and heating value or by weekly fuel testing for nitrogen content and heating value. Hourly emissions shall be calculated using the heating value, maximum rated unit capacity, and the following formula: lb NO2/1000 gal = 20.54 + 104.39 (N), where N is the weight % nitrogen in the fuel. If compliance with the NOx emission limit is demonstrated through the fuel nitrogen content testing and compliance has been demonstrated for 8 consecutive weeks for a fuel source, then the fuel testing frequency shall be bi-annually. If a bi-annual fuel content source test fails to show compliance, weekly testing shall resume. [District Rules 4301, 5.2.2 and 2520, 9.4.2], [Federally Enforceable Through Title V]

15. If the unit is fired on noncertified residual or crude oil and compliance with NOx emission limits is achieved through fuel nitrogen content testing, then the nitrogen content of the fuel being fired in the unit shall be determined using ASTM D3431-80. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

16. Visible emissions inspection shall be conducted after every 1 million gallons of fuel combusted, to be counted cumulatively over a 5-year period. If a visible emissions inspection documents opacity, a method 9 evaluation shall be completed within 3 working days, or during the next scheduled operating period if the unit ceases firing on fuel oil within the 3 working day time frame. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-5-3 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
5.0 MMBTU/HR OIL FIRED HYDRO THERM BOILER

PERMIT UNIT REQUIREMENTS

1. If continuous operation oxygen analyzer/controller is utilized, excess O2 shall be maintained between 0.5 and 3.0%. If not utilized, excess air shall be maintained at no less than 15%. [District NSR Rule], [Federally Enforceable Through Title V]
2. Compliance testing for fuel sulfur content shall be conducted annually. [District NSR Rule], [Federally Enforceable Through Title V]
3. Fuel oil sulfur content shall not exceed 1.2% by weight. [District NSR Rule], [Federally Enforceable Through Title V]
4. Oil fired emission rates shall not exceed the following: PM-10 - 0.099 lb/MMBtu, SO2 - 0.690 lb/MMBtu, NO2 - 0.527 lb/MMBtu, VOC - 0.007 lb/MMBtu, and CO - 0.033 lb/MMBtu. [District NSR Rule], [Federally Enforceable Through Title V]
5. The permittee shall maintain records of fuel type, quantity (a master meter for a group of generators is acceptable), and sulfur content, and shall make such records available for District inspection upon request for a period of five years. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. Sulfur content of the fuel being fired in the unit shall be determined using ASTM D 2880-71. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. All required source testing shall conform to the compliance testing procedures described in District Rule 1081 (Amended December 16, 1993). [District Rule 1081], [Federally Enforceable Through Title V]
8. Copies of all fuel invoices, gas purchase contracts, supplier certifications, and test results to determine compliance with the conditions of this permit shall be maintained. The operator shall record daily amount and type(s) of fuel(s) combusted and all dates on which unit is fired on any noncertified fuel and record specific type of noncertified fuel used. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. Particulate matter emissions shall not exceed 0.1 grain/dscf, calculated to 12% CO2, nor 10 lb/hr. [District Rules 4201, 3.1 and 4301, 5.1 and 5.2.3], [Federally Enforceable Through Title V]
10. Source testing shall be performed using EPA Method 5 while firing on residual oil (including crude or topped crude) to demonstrate compliance with PM emission limits. Source testing shall be performed within 60 days of firing on residual oil unless such testing has been performed within the 12 month period prior to firing on said oil and the test results showed compliance with PM emission limits of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. Emissions of sulfur compounds from this unit shall not exceed 200 lb per hour, calculated as SO2. Compliance with this requirement may be demonstrated by firing the unit only on diesel fuel not exceeding 0.5% sulfur by weight; or by testing the sulfur content of each fuel and determining the maximum hourly emissions of sulfur compounds by multiplying the sulfur content of each fuel in lb/MMBtu by the maximum heat input rating of the unit; or by source testing in combination with fuel analysis. [District Rules 2520, 9.4.2 and 4301, 5.2.1], [Federally Enforceable Through Title V]
12. When complying with sulfur emission limits by fuel analysis or by a combination of source testing and fuel analysis, each fuel source shall be tested weekly for sulfur content and higher heating value. If compliance with the fuel sulfur content limit and sulfur emission limits has been demonstrated for 8 consecutive weeks for a fuel source, then the fuel testing frequency shall be semi-annually. If a semi-annual fuel content source test fails to show compliance, weekly testing shall resume. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. If fuel analysis is used to demonstrate compliance with the conditions of this permit, the fuel higher heating value for each fuel shall be certified by third party fuel supplier or determined by ASTM D 240-87 or D 2382-88 for liquid hydrocarbon fuels. [District Rule 2520, 9.4.2; 4305, 6.2.1; and 4351, 6.2.1], [Federally Enforceable Through Title V]
14. Visible emissions inspection shall be conducted after every 1 million gallons of fuel combusted, to be counted cumulatively over a 5-year period. If a visible emissions inspection documents opacity, a method 9 evaluation shall be completed within 3 working days, or during the next scheduled operating period if the unit ceases firing on fuel oil within the 3 working day time frame. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. If the unit is fired on noncertified gaseous fuel and compliance with SOx emission limits is achieved through fuel sulfur content limitations, then the sulfur content of the gaseous fuel being fired in the unit shall be determined using ASTM D 1072-80, D 3031-81, D 4084-82, D 3246-81 or grab sample analysis by GC-FPD/TCD performed in the laboratory. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-8-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
105,000 GALLON (2,500 BBL) OPEN TOP CRUDE OIL WASH TANK

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-9-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
105,000 GALLON (2,500 BBL) OPEN TOP CRUDE OIL STOCK TANK

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-10-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
105,000 GALLON (2,500 BBL) OPEN TOP CRUDE OIL WATER TANK

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-11-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
673,200 GALLON (16,028 BBL) CRUDE OIL PRODUCTION SUMP: (150' X 75' X 8')

PERMIT UNIT REQUIREMENTS

1. The sump shall be designed and equipped with properly installed, maintained, and operated flexible floating cover, rigid floating cover, or fixed-roof cover. [District Rule 4402, 5.1], [Federally Enforceable Through Title V]
2. The cover material shall be impermeable to VOCs. [District Rule 4402, 5.2.1], [Federally Enforceable Through Title V]
3. The cover shall be maintained so that there are no holes, tears, or other such openings, except pressure - vacuum valves, in the cover material which allow the emission of VOCs. [District Rule 4402, 5.2.2], [Federally Enforceable Through Title V]
4. The cover shall be maintained so that the edge of any cover forms a gap-free seal with the top edge of the sump. Gap-free means there are no visible gaps which exceed 0.060 inch. [District Rule 4402, 5.2.4], [Federally Enforceable Through Title V]
5. If equipped with a rigid floating cover, the cover shall be equipped with a closure device between the sump wall and the cover edge which maintains the gap between the wall and cover at every point around the perimeter at no more than one (1) inch. [District Rule 4402, 5.1.2], [Federally Enforceable Through Title V]
6. The cover shall be maintained such that all pressure/vacuum vents are set to within ten (10) percent of the maximum safe working pressure of the cover. [District Rule 4402, 5.2.5], [Federally Enforceable Through Title V]
7. All hatches shall be kept closed and gap-free, except during maintenance, inspection, or repair. [District Rule 4402, 5.2.3], [Federally Enforceable Through Title V]
8. Analysis of halogenated exempt compounds shall be performed using ARB Method 432. [District Rule 4402, 6.2.1], [Federally Enforceable Through Title V]
9. The efficiency of any VOC destruction device shall be measured annually by EPA Method 25, 25a, or 25b, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4402, 6.2.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-12-2 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
105,000 GALLON (2,500 BBL) CRUDE OIL WASH TANK

PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-13-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
105,000 GALLON (2,500 BBL) OPEN TOP CRUDE OIL WASH TANK

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-14-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
105,000 GALLON (2,500 BBL) OPEN TOP CRUDE OIL STOCK TANK

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-15-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
673,200 GALLON (16,028 BBL) CRUDE OIL PRODUCTION SUMP: (150' X 75' X 8')

PERMIT UNIT REQUIREMENTS

1. The sump shall be designed and equipped with properly installed, maintained, and operated flexible floating cover, rigid floating cover, or fixed-roof cover. [District Rule 4402, 5.1], [Federally Enforceable Through Title V]
2. The cover material shall be impermeable to VOCs. [District Rule 4402, 5.2.1], [Federally Enforceable Through Title V]
3. The cover shall be maintained so that there are no holes, tears, or other such openings, except pressure - vacuum valves, in the cover material which allow the emission of VOCs. [District Rule 4402, 5.2.2], [Federally Enforceable Through Title V]
4. The cover shall be maintained so that the edge of any cover forms a gap-free seal with the top edge of the sump. Gap-free means there are no visible gaps which exceed 0.060 inch. [District Rule 4402, 5.2.4], [Federally Enforceable Through Title V]
5. If equipped with a rigid floating cover, the cover shall be equipped with a closure device between the sump wall and the cover edge which maintains the gap between the wall and cover at every point around the perimeter at no more than one (1) inch. [District Rule 4402, 5.1.2], [Federally Enforceable Through Title V]
6. The cover shall be maintained such that all pressure/vacuum vents are set to within ten (10) percent of the maximum safe working pressure of the cover. [District Rule 4402, 5.2.5], [Federally Enforceable Through Title V]
7. All hatches shall be kept closed and gap-free, except during maintenance, inspection, or repair. [District Rule 4402, 5.2.3], [Federally Enforceable Through Title V]
8. Analysis of halogenated exempt compounds shall be performed using ARB Method 432. [District Rule 4402, 6.2.1], [Federally Enforceable Through Title V]
9. The efficiency of any VOC destruction device shall be measured annually by EPA Method 25, 25a, or 25b, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4402, 6.2.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-16-3 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
21,000 GALLON FIXED ROOF GAUGE TANK VENTING TO VAPOR CONTROL SYSTEM, INCLUDING: ONE GAS/LIQUID SEPARATOR, FIVE VAREC MODEL 2010 PRESSURE RELIEF VALVES WITH FLAME ARRESTORS, AND ONE 25 HP VAPOR RECOVERY COMPRESSOR, SHARED BETWEEN S-1703-16 THRU '-26.

PERMIT UNIT REQUIREMENTS

1. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
2. Each tank shall be equipped with stored liquid temperature indicator. [District NSR Rule], [Federally Enforceable Through Title V]
3. Tanks gauging and/or sampling devices shall be equipped with gas-tight (as defined in Rule 4623) covers which shall remain closed at all times except during gauging or sampling. [District Rule 4623, 5.3.2], [Federally Enforceable Through Title V]
4. Tanks seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight (as defined in Rule 4623) condition. [District Rule 4623, 5.3.3], [Federally Enforceable Through Title V]
5. Tanks water draw-offs except for four weir boxes and four bleed boxes shall consist only of closed piping. [District NSR Rule], [Federally Enforceable Through Title V]
6. Only two weir boxes shall be in use at any one time. [District NSR Rule], [Federally Enforceable Through Title V]
7. All VOC vapors shall be compressed and delivered to tank dehydration boiler, flare S-1703-27, or field electric generators. [District NSR Rule], [Federally Enforceable Through Title V]
8. Vapor control system compressor shall activate before tanks internal pressure exceeds pressure relief valve setting on tanks S-1703-16 through S-1703-20. [District NSR Rule], [Federally Enforceable Through Title V]
9. True vapor pressure of liquids stored shall not exceed 3 psia. [District NSR Rule], [Federally Enforceable Through Title V]
10. Tank daily throughput shall not exceed 3,500 bbl/day. [District NSR Rule], [Federally Enforceable Through Title V]
11. Produced water shall be piped to Mt. Poso Cogeneration Company water treatment facilities. [District NSR Rule], [Federally Enforceable Through Title V]
12. Tankage vapor control shall be at least 95% effective. [District Rule 4623, 5.3.1], [Federally Enforceable Through Title V]
13. All tanks, gauge hatches, thief hatches, sampling ports, pressure relief valves, etc. shall be closed and gas-tight (as defined in Rule 4623) during normal operation. [District Rule 4623, 5.3.2], [Federally Enforceable Through Title V]
14. VOC emission rate from shared vapor recovery system shall not exceed 1.40 lbm/hr. [District NSR Rule], [Federally Enforceable Through Title V]
15. Permittee shall keep accurate records of storage temperature, Reid vapor pressure of liquids stored, and daily throughput in each tank and such records shall be made readily available for District inspection upon request. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

18. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

19. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

20. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 95 percent efficient as measured by EPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 95% control efficiency as measured by EPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

22. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

23. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323-82 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and ARB approved calculations. [District Rule 4623, 6.2.2], [Federally Enforceable Through Title V]

24. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from ARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 4623, 6.2.3], [Federally Enforceable Through Title V]

25. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in EPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 4623, 6.2.4], [Federally Enforceable Through Title V]

26. The efficiency of any VOC destruction device shall be measured by EPA Method 25, 25a, or 25b. [District Rule 4623, 6.2.5], [Federally Enforceable Through Title V]

27. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-17-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
21,000 GALLON (500 BBL) FIXED ROOF GAUGE TANK VENTING TO VAPOR CONTROL SYSTEM SHARED BETWEEN TANKS S-1703-16 THRU '-26.

PERMIT UNIT REQUIREMENTS

1. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
2. Each tank shall be equipped with stored liquid temperature indicator. [District NSR Rule], [Federally Enforceable Through Title V]
3. Tanks gauging and/or sampling devices shall be equipped with gas-tight (as defined in Rule 4623) covers which shall remain closed at all times except during gauging or sampling. [District Rule 4623, 5.3.2], [Federally Enforceable Through Title V]
4. Tanks seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight (as defined in Rule 4623) condition. [District Rule 4623, 5.3.3], [Federally Enforceable Through Title V]
5. Tanks water draw-offs except for four weir boxes and four bleed boxes shall consist only of closed piping. [District NSR Rule], [Federally Enforceable Through Title V]
6. Only two weir boxes shall be in use at any one time. [District NSR Rule], [Federally Enforceable Through Title V]
7. All VOC vapors shall be compressed and delivered to tank dehydration boiler, flare S-1703-27, or field electric generators. [District NSR Rule], [Federally Enforceable Through Title V]
8. Vapor control system compressor shall activate before tanks internal pressure exceeds pressure relief valve setting on tanks S-1703-16 through S-1703-20. [District NSR Rule], [Federally Enforceable Through Title V]
9. True vapor pressure of liquids stored shall not exceed 3 psia. [District NSR Rule], [Federally Enforceable Through Title V]
10. Tank daily throughput shall not exceed 3,500 bbl/day. [District NSR Rule], [Federally Enforceable Through Title V]
11. Produced water shall be piped to Mt. Poso Cogeneration Company water treatment facilities. [District NSR Rule], [Federally Enforceable Through Title V]
12. Tankage vapor control shall be at least 95% effective. [District Rule 4623, 5.3.1], [Federally Enforceable Through Title V]
13. All tanks, gauge hatches, thief hatches, sampling ports, pressure relief valves, etc. shall be closed and gas-tight (as defined in Rule 4623) during normal operation. [District Rule 4623, 5.3.2], [Federally Enforceable Through Title V]
14. VOC emission rate from shared vapor recovery system shall not exceed 1.40 lbm/hr. [District NSR Rule], [Federally Enforceable Through Title V]
15. Permittee shall keep accurate records of storage temperature, Reid vapor pressure of liquids stored, and daily throughput in each tank and such records shall be made readily available for District inspection upon request. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
18. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

19. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

20. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 95 percent efficient as measured by EPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 95% control efficiency as measured by EPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

22. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

23. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323-82 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and ARB approved calculations. [District Rule 4623, 6.2.2], [Federally Enforceable Through Title V]

24. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from ARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 4623, 6.2.3], [Federally Enforceable Through Title V]

25. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in EPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 4623, 6.2.4], [Federally Enforceable Through Title V]

26. The efficiency of any VOC destruction device shall be measured by EPA Method 25, 25a, or 25b. [District Rule 4623, 6.2.5], [Federally Enforceable Through Title V]

27. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-18-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
21,000 GALLON (500 BBL) FIXED ROOF GAUGE TANK VENTING TO VAPOR CONTROL SYSTEM SHARED BETWEEN TANKS S-1703-16 THRU '-26.

PERMIT UNIT REQUIREMENTS

1. Each tank shall be equipped with stored liquid temperature indicator. [District NSR Rule], [Federally Enforceable Through Title V]
2. Tanks gauging and/or sampling devices shall be equipped with gas-tight (as defined in Rule 4623) covers which shall remain closed at all times except during gauging or sampling. [District Rule 4623, 5.3.2], [Federally Enforceable Through Title V]
3. Tanks seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight (as defined in Rule 4623) condition. [District Rule 4623, 5.3.3], [Federally Enforceable Through Title V]
4. Tanks water draw-offs except for four weir boxes and four bleed boxes shall consist only of closed piping. [District NSR Rule], [Federally Enforceable Through Title V]
5. Only two weir boxes shall be in use at any one time. [District NSR Rule], [Federally Enforceable Through Title V]
6. All VOC vapors shall be compressed and delivered to tank dehydration boiler, flare S-1703-27, or field electric generators. [District NSR Rule], [Federally Enforceable Through Title V]
7. Vapor control system compressor shall activate before tanks internal pressure exceeds pressure relief valve setting on tanks S-1703-16 through S-1703-20. [District NSR Rule], [Federally Enforceable Through Title V]
8. True vapor pressure of liquids stored shall not exceed 3 psia. [District NSR Rule], [Federally Enforceable Through Title V]
9. Tank daily throughput shall not exceed 3,500 bbl/day. [District NSR Rule], [Federally Enforceable Through Title V]
10. Produced water shall be piped to Mt. Poso Cogeneration Company water treatment facilities. [District NSR Rule], [Federally Enforceable Through Title V]
11. Tankage vapor control shall be at least 95% effective. [District Rule 4623, 5.3.1], [Federally Enforceable Through Title V]
12. All tanks, gauge hatches, thief hatches, sampling ports, pressure relief valves, etc. shall be closed and gas-tight (as defined in Rule 4623) during normal operation. [District Rule 4623, 5.3.2], [Federally Enforceable Through Title V]
13. VOC emission rate from shared vapor recovery system shall not exceed 1.40 lbm/hr. [District NSR Rule], [Federally Enforceable Through Title V]
14. Permittee shall keep accurate records of storage temperature, Reid vapor pressure of liquids stored, and daily throughput in each tank and such records shall be made readily available for District inspection upon request. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. Tank shall maintain constant liquid level. [District NSR Rule], [Federally Enforceable Through Title V]
16. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
18. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

19. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

20. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 95 percent efficient as measured by EPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 95% control efficiency as measured by EPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

22. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

23. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323-82 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and ARB approved calculations. [District Rule 4623, 6.2.2], [Federally Enforceable Through Title V]

24. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from ARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 4623, 6.2.3], [Federally Enforceable Through Title V]

25. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in EPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 4623, 6.2.4], [Federally Enforceable Through Title V]

26. The efficiency of any VOC destruction device shall be measured by EPA Method 25, 25a, or 25b. [District Rule 4623, 6.2.5], [Federally Enforceable Through Title V]

27. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

28. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-19-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
210,000 GALLON (5,000 BBL) FIXED ROOF FREE WATER KNOCKOUT TANK VENTING TO VAPOR CONTROL SYSTEM SHARED BETWEEN S-1703-16 THRU '-26.

PERMIT UNIT REQUIREMENTS

1. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
2. Each tank shall be equipped with stored liquid temperature indicator. [District NSR Rule], [Federally Enforceable Through Title V]
3. Tanks gauging and/or sampling devices shall be equipped with gas-tight (as defined in Rule 4623) covers which shall remain closed at all times except during gauging or sampling. [District Rule 4623, 5.3.2], [Federally Enforceable Through Title V]
4. Tanks seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight (as defined in Rule 4623) condition. [District Rule 4623, 5.3.3], [Federally Enforceable Through Title V]
5. Tanks water draw-offs except for four weir boxes and four bleed boxes shall consist only of closed piping. [District NSR Rule], [Federally Enforceable Through Title V]
6. Only two weir boxes shall be in use at any one time. [District NSR Rule], [Federally Enforceable Through Title V]
7. All VOC vapors shall be compressed and delivered to tank dehydration boiler, flare S-1703-27, or field electric generators. [District NSR Rule], [Federally Enforceable Through Title V]
8. Vapor control system compressor shall activate before tanks internal pressure exceeds pressure relief valve setting on tanks S-1703-16 through S-1703-20. [District NSR Rule], [Federally Enforceable Through Title V]
9. True vapor pressure of liquids stored shall not exceed 3 psia. [District NSR Rule], [Federally Enforceable Through Title V]
10. Tank daily throughput shall not exceed 45,000 bbl/day. [District NSR Rule], [Federally Enforceable Through Title V]
11. Produced water shall be piped to Mt. Poso Cogeneration Company water treatment facilities. [District NSR Rule], [Federally Enforceable Through Title V]
12. Tankage vapor control shall be at least 95% effective. [District Rule 4623, 5.3.1], [Federally Enforceable Through Title V]
13. All tanks, gauge hatches, thief hatches, sampling ports, pressure relief valves, etc. shall be closed and gas-tight (as defined in Rule 4623) during normal operation. [District Rule 4623, 5.3.2], [Federally Enforceable Through Title V]
14. VOC emission rate from shared vapor recovery system shall not exceed 1.40 lbm/hr. [District NSR Rule], [Federally Enforceable Through Title V]
15. Permittee shall keep accurate records of storage temperature, Reid vapor pressure of liquids stored, and daily throughput in each tank and such records shall be made readily available for District inspection upon request. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
18. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

19. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

20. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 95 percent efficient as measured by EPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 95% control efficiency as measured by EPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

22. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

23. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323-82 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and ARB approved calculations. [District Rule 4623, 6.2.2], [Federally Enforceable Through Title V]

24. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from ARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 4623, 6.2.3], [Federally Enforceable Through Title V]

25. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in EPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 4623, 6.2.4], [Federally Enforceable Through Title V]

26. The efficiency of any VOC destruction device shall be measured by EPA Method 25, 25a, or 25b. [District Rule 4623, 6.2.5], [Federally Enforceable Through Title V]

27. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-20-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
210,000 GALLON (5,000 BBL) FIXED ROOF FREE WATER KNOCKOUT TANK VENTING TO VAPOR CONTROL SYSTEM SHARED BETWEEN S-1703-16 THRU '-26.

PERMIT UNIT REQUIREMENTS

1. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
2. Free water knockout tanks shall maintain constant liquid level. [District NSR Rule], [Federally Enforceable Through Title V]
3. Tank shall be equipped with stored liquid temperature indicator. [District NSR Rule], [Federally Enforceable Through Title V]
4. Tank gauging and/or sampling devices shall be equipped with gas-tight (as defined in Rule 4623) covers which shall remain closed at all times except during gauging or sampling. [District Rule 4623, 5.3.2], [Federally Enforceable Through Title V]
5. Tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight (as defined in Rule 4623) condition. [District Rule 4623, 5.3.3], [Federally Enforceable Through Title V]
6. Tanks water draw-offs except for four weir boxes and four bleed boxes shall consist only of closed piping. [District NSR Rule], [Federally Enforceable Through Title V]
7. Only two weir boxes shall be in use at any one time. [District NSR Rule], [Federally Enforceable Through Title V]
8. All VOC vapors shall be compressed and delivered to tank dehydration boiler, flare S-1703-27, or field electric generators. [District NSR Rule], [Federally Enforceable Through Title V]
9. Vapor control system compressor shall activate before tanks internal pressure exceeds pressure relief valve setting on tanks S-1703-16 through S-1703-20. [District NSR Rule], [Federally Enforceable Through Title V]
10. True vapor pressure of liquids stored shall not exceed 3 psia. [District NSR Rule], [Federally Enforceable Through Title V]
11. Tank daily throughput shall not exceed 45,000 bbl/day. [District NSR Rule], [Federally Enforceable Through Title V]
12. Produced water shall be piped to Mt. Poso Cogeneration Company water treatment facilities. [District NSR Rule], [Federally Enforceable Through Title V]
13. Tankage vapor control shall be at least 95% effective. [District Rule 4623, 5.3.1], [Federally Enforceable Through Title V]
14. All tanks, gauge hatches, thief hatches, sampling ports, pressure relief valves, etc. shall be closed and gas-tight (as defined in Rule 4623) during normal operation. [District Rule 4623, 5.3.2], [Federally Enforceable Through Title V]
15. VOC emission rate from shared vapor recovery system shall not exceed 1.40 lbm/hr. [District NSR Rule], [Federally Enforceable Through Title V]
16. Permittee shall keep accurate records of storage temperature, Reid vapor pressure of liquids stored, and daily throughput in each tank and such records shall be made readily available for District inspection upon request. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
18. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

19. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

20. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 95 percent efficient as measured by EPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 95% control efficiency as measured by EPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

22. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

23. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

24. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323-82 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and ARB approved calculations. [District Rule 4623, 6.2.2], [Federally Enforceable Through Title V]

25. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from ARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 4623, 6.2.3], [Federally Enforceable Through Title V]

26. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in EPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 4623, 6.2.4], [Federally Enforceable Through Title V]

27. The efficiency of any VOC destruction device shall be measured by EPA Method 25, 25a, or 25b. [District Rule 4623, 6.2.5], [Federally Enforceable Through Title V]

28. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-21-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
126,000 GALLON (3,000 BBL) FIXED ROOF WASH TANK VENTING TO VAPOR CONTROL SYSTEM SHARED BETWEEN S-1703-16 THRU '-26.

PERMIT UNIT REQUIREMENTS

1. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
2. Tank shall maintain constant liquid level. [District NSR Rule], [Federally Enforceable Through Title V]
3. Tank shall be equipped with stored liquid temperature indicator. [District NSR Rule], [Federally Enforceable Through Title V]
4. Tank gauging and/or sampling devices shall be equipped with gas-tight (as defined in Rule 4623) covers which shall remain closed at all times except during gauging or sampling. [District Rule 4623, 5.3.2], [Federally Enforceable Through Title V]
5. Tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight (as defined in Rule 4623) condition. [District Rule 4623, 5.3.3], [Federally Enforceable Through Title V]
6. Tanks water draw-offs except for four weir boxes and four bleed boxes shall consist only of closed piping. [District NSR Rule], [Federally Enforceable Through Title V]
7. Only two weir boxes shall be in use at any one time. [District NSR Rule], [Federally Enforceable Through Title V]
8. All VOC vapors shall be compressed and delivered to tank dehydration boiler, flare S-1703-27, or field electric generators. [District NSR Rule], [Federally Enforceable Through Title V]
9. Vapor control system compressor shall activate before tanks internal pressure exceeds pressure relief valve setting. [District NSR Rule], [Federally Enforceable Through Title V]
10. True vapor pressure of liquids stored shall not exceed 3 psia. [District NSR Rule], [Federally Enforceable Through Title V]
11. Tank daily throughput shall not exceed 1,800 bbl/day. [District NSR Rule], [Federally Enforceable Through Title V]
12. Produced water shall be piped to Mt. Poso Cogeneration Company water treatment facilities. [District NSR Rule], [Federally Enforceable Through Title V]
13. Tankage vapor control shall be at least 95% effective. [District Rule 4623, 5.3.1], [Federally Enforceable Through Title V]
14. All tanks, gauge hatches, thief hatches, sampling ports, pressure relief valves, etc. shall be closed and gas-tight (as defined in Rule 4623) during normal operation. [District Rule 4623, 5.3.2], [Federally Enforceable Through Title V]
15. VOC emission rate from shared vapor recovery system shall not exceed 1.40 lbm/hr. [District NSR Rule], [Federally Enforceable Through Title V]
16. Permittee shall keep accurate records of storage temperature, Reid vapor pressure of liquids stored, and daily throughput in each tank and such records shall be made readily available for District inspection upon request. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
18. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

19. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

20. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 95 percent efficient as measured by EPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 95% control efficiency as measured by EPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

22. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

23. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

24. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323-82 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and ARB approved calculations. [District Rule 4623, 6.2.2], [Federally Enforceable Through Title V]

25. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from ARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 4623, 6.2.3], [Federally Enforceable Through Title V]

26. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in EPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 4623, 6.2.4], [Federally Enforceable Through Title V]

27. The efficiency of any VOC destruction device shall be measured by EPA Method 25, 25a, or 25b. [District Rule 4623, 6.2.5], [Federally Enforceable Through Title V]

28. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-22-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
126,000 GALLON (3,000 BBL) FIXED ROOF WASH TANK VENTING TO VAPOR CONTROL SYSTEM SHARED BETWEEN S-1703-16 THRU '-26.

PERMIT UNIT REQUIREMENTS

1. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
2. Tank shall maintain constant liquid level. [District NSR Rule], [Federally Enforceable Through Title V]
3. Tank shall be equipped with stored liquid temperature indicator. [District NSR Rule], [Federally Enforceable Through Title V]
4. Tank gauging and/or sampling devices shall be equipped with gas-tight (as defined in Rule 4623) covers which shall remain closed at all times except during gauging or sampling. [District Rule 4623, 5.3.2], [Federally Enforceable Through Title V]
5. Tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight (as defined in Rule 4623) condition. [District Rule 4623, 5.3.3], [Federally Enforceable Through Title V]
6. Tanks water draw-offs except for four weir boxes and four bleed boxes shall consist only of closed piping. [District NSR Rule], [Federally Enforceable Through Title V]
7. Only two weir boxes shall be in use at any one time. [District NSR Rule], [Federally Enforceable Through Title V]
8. All VOC vapors shall be compressed and delivered to tank dehydration boiler, flare S-1703-27, or field electric generators. [District NSR Rule], [Federally Enforceable Through Title V]
9. Vapor control system compressor shall activate before tanks internal pressure exceeds pressure relief valve setting. [District NSR Rule], [Federally Enforceable Through Title V]
10. True vapor pressure of liquids stored shall not exceed 3 psia. [District NSR Rule], [Federally Enforceable Through Title V]
11. Tank daily throughput shall not exceed 1,800 bbl/day. [District NSR Rule], [Federally Enforceable Through Title V]
12. Produced water shall be piped to Mt. Poso Cogeneration Company water treatment facilities. [District NSR Rule], [Federally Enforceable Through Title V]
13. Tankage vapor control shall be at least 95% effective. [District Rule 4623, 5.3.1], [Federally Enforceable Through Title V]
14. All tanks, gauge hatches, thief hatches, sampling ports, pressure relief valves, etc. shall be closed and gas-tight (as defined in Rule 4623) during normal operation. [District Rule 4623, 5.3.2], [Federally Enforceable Through Title V]
15. VOC emission rate from shared vapor recovery system shall not exceed 1.40 lbm/hr. [District NSR Rule], [Federally Enforceable Through Title V]
16. Permittee shall keep accurate records of storage temperature, Reid vapor pressure of liquids stored, and daily throughput in each tank and such records shall be made readily available for District inspection upon request. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
18. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

19. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

20. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 95 percent efficient as measured by EPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 95% control efficiency as measured by EPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

22. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

23. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

24. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323-82 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and ARB approved calculations. [District Rule 4623, 6.2.2], [Federally Enforceable Through Title V]

25. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from ARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 4623, 6.2.3], [Federally Enforceable Through Title V]

26. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in EPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 4623, 6.2.4], [Federally Enforceable Through Title V]

27. The efficiency of any VOC destruction device shall be measured by EPA Method 25, 25a, or 25b. [District Rule 4623, 6.2.5], [Federally Enforceable Through Title V]

28. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-23-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
84,000 GALLON (2,000 BBL) FIXED ROOF STOCK TANK VENTING TO VAPOR CONTROL SYSTEM SHARED BETWEEN S-1703-16 THRU '-26.

PERMIT UNIT REQUIREMENTS

1. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
2. Each tank shall be equipped with stored liquid temperature indicator. [District NSR Rule], [Federally Enforceable Through Title V]
3. Tanks gauging and/or sampling devices shall be equipped with gas-tight (as defined in Rule 4623) covers which shall remain closed at all times except during gauging or sampling. [District Rule 4623, 5.3.2], [Federally Enforceable Through Title V]
4. Tanks seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight (as defined in Rule 4623) condition. [District Rule 4623, 5.3.3], [Federally Enforceable Through Title V]
5. Tanks water draw-offs except for four weir boxes and four bleed boxes shall consist only of closed piping. [District NSR Rule], [Federally Enforceable Through Title V]
6. Only two weir boxes shall be in use at any one time. [District NSR Rule], [Federally Enforceable Through Title V]
7. All VOC vapors shall be compressed and delivered to tank dehydration boiler, flare S-1703-27, or field electric generators. [District NSR Rule], [Federally Enforceable Through Title V]
8. Vapor control system compressor shall activate before tanks internal pressure exceeds pressure relief valve setting on tanks S-1703-16 through S-1703-20. [District NSR Rule], [Federally Enforceable Through Title V]
9. True vapor pressure of liquids stored shall not exceed 3 psia. [District NSR Rule], [Federally Enforceable Through Title V]
10. Tank daily throughput shall not exceed 900 bbl/day. [District NSR Rule], [Federally Enforceable Through Title V]
11. Produced water shall be piped to Mt. Poso Cogeneration Company water treatment facilities. [District NSR Rule], [Federally Enforceable Through Title V]
12. Tankage vapor control shall be at least 95% effective. [District Rule 4623, 5.3.1], [Federally Enforceable Through Title V]
13. All tanks, gauge hatches, thief hatches, sampling ports, pressure relief valves, etc. shall be closed and gas-tight (as defined in Rule 4623) during normal operation. [District Rule 4623, 5.3.2], [Federally Enforceable Through Title V]
14. VOC emission rate from shared vapor recovery system shall not exceed 1.40 lbm/hr. [District NSR Rule], [Federally Enforceable Through Title V]
15. Permittee shall keep accurate records of storage temperature, Reid vapor pressure of liquids stored, and daily throughput in each tank and such records shall be made readily available for District inspection upon request. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
18. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

19. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

20. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 95 percent efficient as measured by EPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 95% control efficiency as measured by EPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

22. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

23. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323-82 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and ARB approved calculations. [District Rule 4623, 6.2.2], [Federally Enforceable Through Title V]

24. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from ARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 4623, 6.2.3], [Federally Enforceable Through Title V]

25. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in EPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 4623, 6.2.4], [Federally Enforceable Through Title V]

26. The efficiency of any VOC destruction device shall be measured by EPA Method 25, 25a, or 25b. [District Rule 4623, 6.2.5], [Federally Enforceable Through Title V]

27. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-24-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
84,000 GALLON (2,000 BBL) FIXED ROOF STOCK TANK VENTING TO VAPOR CONTROL SYSTEM SHARED BETWEEN S-1703-16 THRU '-26.

PERMIT UNIT REQUIREMENTS

1. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
2. Free water knockout tanks (S-1703-19, '-20) and wash tanks (S-1703-21, '-22) shall maintain constant liquid level. [District NSR Rule], [Federally Enforceable Through Title V]
3. Each tank shall be equipped with stored liquid temperature indicator. [District NSR Rule], [Federally Enforceable Through Title V]
4. Tank gauging and/or sampling devices shall be equipped with gas-tight (as defined in Rule 4623) covers which shall remain closed at all times except during gauging or sampling. [District Rule 4623, 5.3.2], [Federally Enforceable Through Title V]
5. Tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight (as defined in Rule 4623) condition. [District Rule 4623, 5.3.3], [Federally Enforceable Through Title V]
6. Tanks water draw-offs except for four weir boxes and four bleed boxes shall consist only of closed piping. [District NSR Rule], [Federally Enforceable Through Title V]
7. Only two weir boxes shall be in use at any one time. [District NSR Rule], [Federally Enforceable Through Title V]
8. All VOC vapors shall be compressed and delivered to tank dehydration boiler, flare S-1703-27, or field electric generators. [District NSR Rule], [Federally Enforceable Through Title V]
9. Vapor control system compressor shall activate before tanks internal pressure exceeds pressure relief valve setting. [District NSR Rule], [Federally Enforceable Through Title V]
10. True vapor pressure of liquids stored shall not exceed 3 psia. [District NSR Rule], [Federally Enforceable Through Title V]
11. Tank daily throughput shall not exceed 900 bbl/day. [District NSR Rule], [Federally Enforceable Through Title V]
12. Produced water shall be piped to Mt. Poso Cogeneration Company water treatment facilities. [District NSR Rule], [Federally Enforceable Through Title V]
13. Tankage vapor control shall be at least 95% effective. [District Rule 4623, 5.3.1], [Federally Enforceable Through Title V]
14. All tanks, gauge hatches, thief hatches, sampling ports, pressure relief valves, etc. shall be closed and gas-tight (as defined in Rule 4623) during normal operation. [District Rule 4623, 5.3.2], [Federally Enforceable Through Title V]
15. VOC emission rate from shared vapor recovery system shall not exceed 1.40 lbm/hr. [District NSR Rule], [Federally Enforceable Through Title V]
16. Permittee shall keep accurate records of storage temperature, Reid vapor pressure of liquids stored, and daily throughput in each tank and such records shall be made readily available for District inspection upon request. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
18. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

19. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

20. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 95 percent efficient as measured by EPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 95% control efficiency as measured by EPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

22. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

23. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

24. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323-82 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and ARB approved calculations. [District Rule 4623, 6.2.2], [Federally Enforceable Through Title V]

25. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from ARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 4623, 6.2.3], [Federally Enforceable Through Title V]

26. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in EPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 4623, 6.2.4], [Federally Enforceable Through Title V]

27. The efficiency of any VOC destruction device shall be measured by EPA Method 25, 25a, or 25b. [District Rule 4623, 6.2.5], [Federally Enforceable Through Title V]

28. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-25-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
210,000 GALLON (2,000 BBL) FIXED ROOF WASTE WATER TANK VENTING TO VAPOR CONTROL SYSTEM SHARED BETWEEN S-1703-16 AND '-26.

PERMIT UNIT REQUIREMENTS

1. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
2. Each tank shall be equipped with stored liquid temperature indicator. [District NSR Rule], [Federally Enforceable Through Title V]
3. Tanks gauging and/or sampling devices shall be equipped with gas-tight (as defined in Rule 4623) covers which shall remain closed at all times except during gauging or sampling. [District Rule 4623, 5.3.2], [Federally Enforceable Through Title V]
4. Tanks seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight (as defined in Rule 4623) condition. [District Rule 4623, 5.3.3], [Federally Enforceable Through Title V]
5. Tanks water draw-offs except for four weir boxes and four bleed boxes shall consist only of closed piping. [District NSR Rule], [Federally Enforceable Through Title V]
6. Only two weir boxes shall be in use at any one time. [District NSR Rule], [Federally Enforceable Through Title V]
7. All VOC vapors shall be compressed and delivered to tank dehydration boiler, flare S-1703-27, or field electric generators. [District NSR Rule], [Federally Enforceable Through Title V]
8. Vapor control system compressor shall activate before tanks internal pressure exceeds pressure relief valve setting on tanks S-1703-16 through S-1703-20. [District NSR Rule], [Federally Enforceable Through Title V]
9. True vapor pressure of liquids stored shall not exceed 3 psia. [District NSR Rule], [Federally Enforceable Through Title V]
10. Tank daily throughput shall not exceed 86,400 bbl/day. [District NSR Rule], [Federally Enforceable Through Title V]
11. Produced water shall be piped to Mt. Poso Cogeneration Company water treatment facilities. [District NSR Rule], [Federally Enforceable Through Title V]
12. Tankage vapor control shall be at least 95% effective. [District Rule 4623, 5.3.1], [Federally Enforceable Through Title V]
13. All tanks, gauge hatches, thief hatches, sampling ports, pressure relief valves, etc. shall be closed and gas-tight (as defined in Rule 4623) during normal operation. [District Rule 4623, 5.3.2], [Federally Enforceable Through Title V]
14. VOC emission rate from shared vapor recovery system shall not exceed 1.40 lbm/hr. [District NSR Rule], [Federally Enforceable Through Title V]
15. Permittee shall keep accurate records of storage temperature, Reid vapor pressure of liquids stored, and daily throughput in each tank and such records shall be made readily available for District inspection upon request. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
18. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

19. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

20. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 95 percent efficient as measured by EPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 95% control efficiency as measured by EPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

22. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

23. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323-82 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and ARB approved calculations. [District Rule 4623, 6.2.2], [Federally Enforceable Through Title V]

24. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from ARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 4623, 6.2.3], [Federally Enforceable Through Title V]

25. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in EPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 4623, 6.2.4], [Federally Enforceable Through Title V]

26. The efficiency of any VOC destruction device shall be measured by EPA Method 25, 25a, or 25b. [District Rule 4623, 6.2.5], [Federally Enforceable Through Title V]

27. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-26-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
4,200 GALLON (100 BBL) FIXED ROOF SKIM OIL TANK VENTING TO VAPOR CONTROL SYSTEM SHARED BETWEEN S-1703-16 THRU '-26.

PERMIT UNIT REQUIREMENTS

1. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
2. Each tank shall be equipped with stored liquid temperature indicator. [District NSR Rule], [Federally Enforceable Through Title V]
3. Tanks gauging and/or sampling devices shall be equipped with gas-tight (as defined in Rule 4623) covers which shall remain closed at all times except during gauging or sampling. [District Rule 4623, 5.3.2], [Federally Enforceable Through Title V]
4. Tanks seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight (as defined in Rule 4623) condition. [District Rule 4623, 5.3.3], [Federally Enforceable Through Title V]
5. Tanks water draw-offs except for four weir boxes and four bleed boxes shall consist only of closed piping. [District NSR Rule], [Federally Enforceable Through Title V]
6. Only two weir boxes shall be in use at any one time. [District NSR Rule], [Federally Enforceable Through Title V]
7. All VOC vapors shall be compressed and delivered to tank dehydration boiler, flare S-1703-27, or field electric generators. [District NSR Rule], [Federally Enforceable Through Title V]
8. Vapor control system compressor shall activate before tanks internal pressure exceeds pressure relief valve setting on tanks S-1703-16 through S-1703-20. [District NSR Rule], [Federally Enforceable Through Title V]
9. True vapor pressure of liquids stored shall not exceed 3 psia. [District NSR Rule], [Federally Enforceable Through Title V]
10. Tank daily throughput shall not exceed 4,000 bbl/day. [District NSR Rule], [Federally Enforceable Through Title V]
11. Produced water shall be piped to Mt. Poso Cogeneration Company water treatment facilities. [District NSR Rule], [Federally Enforceable Through Title V]
12. Tankage vapor control shall be at least 95% effective. [District Rule 4623, 5.3.1], [Federally Enforceable Through Title V]
13. All tanks, gauge hatches, thief hatches, sampling ports, pressure relief valves, etc. shall be closed and gas-tight (as defined in Rule 4623) during normal operation. [District Rule 4623, 5.3.2], [Federally Enforceable Through Title V]
14. VOC emission rate from shared vapor recovery system shall not exceed 1.40 lbm/hr. [District NSR Rule], [Federally Enforceable Through Title V]
15. Permittee shall keep accurate records of storage temperature, Reid vapor pressure of liquids stored, and daily throughput in each tank and such records shall be made readily available for District inspection upon request. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
18. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

19. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

20. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 95 percent efficient as measured by EPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 95% control efficiency as measured by EPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

22. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

23. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323-82 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and ARB approved calculations. [District Rule 4623, 6.2.2], [Federally Enforceable Through Title V]

24. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from ARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 4623, 6.2.3], [Federally Enforceable Through Title V]

25. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in EPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 4623, 6.2.4], [Federally Enforceable Through Title V]

26. The efficiency of any VOC destruction device shall be measured by EPA Method 25, 25a, or 25b. [District Rule 4623, 6.2.5], [Federally Enforceable Through Title V]

27. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-27-3 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
10.0 MMBTU/HR KALDAIR INC., MARDAN M-200 SMOKELESS FLARE

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
2. Flare shall be designed to provide enough natural draft air for smokeless combustion. [District NSR Rule], [Federally Enforceable Through Title V]
3. Hydrogen sulfide content of gas flared shall not exceed 3 ppmv. [District NSR Rule], [Federally Enforceable Through Title V]
4. Gas flowrate to flare shall not exceed 300,000 scf per day. [District NSR Rule], [Federally Enforceable Through Title V]
5. Flare shall operate with no visible emissions. [District NSR Rule], [Federally Enforceable Through Title V]
6. Emission rates shall not exceed the following: PM-10 - 0.03 lbm/hr, NO2 - 1.75 lbm/hr, VOC - 0.04 lbm/hr, and CO - 0.44 lbm/hr. [District NSR Rule], [Federally Enforceable Through Title V]
7. Demonstration of compliance with the visible emissions limit of this permit shall be conducted at least annually, using EPA Method 22. The observation period shall be 2 hours. [40 CFR 60.18(f)(1)], [Federally Enforceable Through Title V]
8. A trained observer, as defined in EPA Method 22, shall check visible emissions at least once every two weeks for a period of 15 minutes. If visible emissions are detected at any time during this period, the observation period shall be extended to two hours. A record containing the results of these observations shall be maintained, which also includes company name, process unit, observer's name and affiliation, date, estimated wind speed and direction, sky condition, and the observer's location relative to the source and sun. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. The flare shall be operated according to the manufacturer's specifications, a copy of which shall be maintained on site. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. Actual flare emissions shall not exceed 20 tons VOC/year. Process information, including fuel usage data for the flare and process rates for operations controlled by the flare, shall be submitted to the District annually to demonstrate compliance with this requirement. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. Flares shall only be used with the net heating value of the gas being combusted being 200 Btu/scf or greater if the flare is non-assisted; or with the net heating value of the gas being combusted being 300 Btu/scf or greater if the flare is air-assisted or steam-assisted. [40 CFR 60.18 (c)(3)], [Federally Enforceable Through Title V]
12. The net heating value of the gas being combusted in a flare shall be calculated annually, pursuant to 40 CFR 60.18(f)(3) and using EPA Method 18, ASTM D1946-77, and ASTM D2382-76. [40 CFR 60.18 (f)(3-6)], [Federally Enforceable Through Title V]
13. Air-assisted flares shall be operated with an exit velocity less than Vmax, as determined by the equation specified in paragraph 40 CFR 60.18 (f)(6). [40 CFR 60.18 (c)(5)], [Federally Enforceable Through Title V]
14. Nonassisted and steam-assisted flares shall be operated with an exit velocity, as determined by the methods specified in 40 CFR 60.18 (f)(4), less than 60 ft/sec, except as provided in 40 CFR 60.18 (c)(4)(ii) and (iii). [40 CFR 60.18 (c)(4)(i)], [Federally Enforceable Through Title V]
15. Nonassisted and steam-assisted flares may be operated with an exit velocity, as determined by the methods specified in 40 CFR 60.18 (f)(4), equal to or greater than 60 ft/sec, but less than 400 ft/sec if the net heating value of the gas being combusted is greater than 1,000 Btu/scf. [40 CFR 60.18 (c)(4)(ii)], [Federally Enforceable Through Title V]
16. Nonassisted and steam-assisted flares may be operated with an exit velocity, as determined by the methods specified in 40 CFR 60.18 (f)(4), less than the velocity, Vmax, as determined by the equation specified in paragraph 40 CFR 60.18 (f)(5), and less than 400 ft/sec. [40 CFR 60.18 (c)(4)(iii)], [Federally Enforceable Through Title V]
17. The actual exit velocity of a flare shall be determined by dividing the volumetric flowrate (in units of standard temperature and pressure), as determined by Reference Methods 2, 2A, 2C, or 2D as appropriate; by the unobstructed (free) cross sectional area of the flare tip. [40 CFR 60.18 (f)(4)], [Federally Enforceable Through Title V]

18. Flares shall be operated with a flame present at all times, and kept in operation when emissions may be vented to them. The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame. [40 CFR 60.18 (c)(2), 60.18 (e), and 60.18 (f)(2)], [Federally Enforceable Through Title V]

19. Permittee shall keep accurate records of the amount of daily gas flow to the flare. Such records shall be made readily available for District inspection upon request. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]

20. Hydrogen sulfide content of the gas flared shall be determined using CARB Method 15 or EPA Method 11. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. Gas flared shall be tested weekly for hydrogen sulfide. If compliance with hydrogen sulfide emission limits has been demonstrated for 8 consecutive weeks, then the gas flared testing frequency shall be semi-annually. If a semi-annual fuel content source test fails to show compliance, weekly testing shall resume. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-28-2 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
450 HP WAUKESHA F2895.G S/N 3882285 I.C. ENGINE WITH PSC-AIR KIT AND SULFA-CHECK FUEL GAS SCRUBBER WITH 5 FT. DIA X 20 FT. HIGH VESSEL

PERMIT UNIT REQUIREMENTS

1. Valves, flanges, seals, and pressure relief valves shall be properly maintained so as to prevent the emissions of fugitive VOC's. [District NSR Rule], [Federally Enforceable Through Title V]
2. Fuel gas sulfur content shall not exceed 100 ppmv as H2S without prior District approval. [District NSR Rule], [Federally Enforceable Through Title V]
3. Fuel gas combusted in I.C. engine shall not exceed 108,000 scf/day without prior District approval. [District NSR Rule], [Federally Enforceable Through Title V]
4. Fuel gas scrubber shall be properly maintained to provide a minimum of 90% sulfur compound control efficiency. [District NSR Rule], [Federally Enforceable Through Title V]
5. Emission rates shall not exceed NOx (as NO2): 150 ppmvd @15% O2 and CO: 2000 ppmvd @15% O2. [District Rule 4701, 5.1]
6. Fuel gas sulfur content, NOx emission rate, and CO emission rate tests shall be conducted using District witnessed sample collection by independent testing laboratory 60 days prior to permit anniversary and results submitted within 60 days. [District Rule 2520, 9.4.2 and District Rule 1081], [Federally Enforceable Through Title V]
7. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201], [Federally Enforceable Through Title V]
8. The sulfur content of the gas being fired in the IC engine shall be determined using ASTM method D 1072-80, D 3031-81, D 4084-82, or D 3246-81. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. The sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Kern County Rule 407], [Federally Enforceable Through Title V]
11. Permittee shall maintain daily records of fuel consumption. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
12. Records of inspections, repairs and maintenance of fugitive VOC sources shall be kept and made readily available for District inspection. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-29-2 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
450 HP WAUKESHA F2895.G S/N 387351 I.C. ENGINE WITH PSC-AIR KIT AND SULFA-CHECK FUEL GAS SCRUBBER (SHARED WITH S-1703-28-1)

PERMIT UNIT REQUIREMENTS

1. Valves, flanges, seals, and pressure relief valves shall be properly maintained so as to prevent the emissions of fugitive VOC's. [District NSR Rule], [Federally Enforceable Through Title V]
2. Fuel gas sulfur content shall not exceed 100 ppmv as H2S without prior District approval. [District NSR Rule], [Federally Enforceable Through Title V]
3. Fuel gas combusted in I.C. engine shall not exceed 108,000 scf/day without prior District approval. [District NSR Rule], [Federally Enforceable Through Title V]
4. Fuel gas scrubber shall be properly maintained to provide a minimum of 90% sulfur compound control efficiency. [District NSR Rule], [Federally Enforceable Through Title V]
5. Emission rates shall not exceed NOx (as NO2): 150 ppmvd @15% O2 and CO: 2000 ppmvd @15% O2. [District Rule 4701, 5.1]
6. Fuel gas sulfur content, NOx emission rate, and CO emission rate tests shall be conducted using District witnessed sample collection by independent testing laboratory 60 days prior to permit anniversary and results submitted within 60 days. [District Rule 2520, 9.4.2 and District Rule 1081], [Federally Enforceable Through Title V]
7. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201], [Federally Enforceable Through Title V]
8. The sulfur content of the gas being fired in the IC engine shall be determined using ASTM method D 1072-80, D 3031-81, D 4084-82, or D 3246-81. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. The sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Kern County Rule 407], [Federally Enforceable Through Title V]
11. Permittee shall maintain daily records of fuel consumption. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
12. Records of inspections, repairs and maintenance of fugitive VOC sources shall be kept and made readily available for District inspection. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-63-8 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
62.5 MMBTU/HR C.E. NATCO STEAM GENERATOR HSG#70-11, WITH NORTH AMERICAN OPTIMIZER MODEL NO. 5131-HGCR-62.5 STANDARD BURNER ASSEMBLY MODIFIED FOR DUAL FIRING CAPABILITY.

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
3. Steam generator firebox convection section, scrubber bypass valve, and all flue gas ductwork shall be maintained with no detectable leaks. [District NSR Rule]
4. Scrubber recirculation liquid pH shall be maintained only by the addition of caustic unless prior approval for an alternative pH maintenance method is received from the District. [District NSR Rule]
5. All wells producing from strata steamed by this unit shall be connected to a District-approved emissions control system, have District-approved closed casing vents or be District-approved uncontrolled cyclic wells. [District Rule 4401]
6. Compliance testing shall be conducted annually as required by the District-approved plan. [District Rule 1081]
7. Compliance source testing shall be conducted under conditions representative of normal operation. [District Rule 1081]
8. Should source testing indicate an emission factor higher than that approved, the operator shall comply with Rule 1100 and, if necessary, submit an application for Authority to Construct to incorporate the higher emission factor into the SLC. [District NSR Rule]
9. The permittee shall maintain records of fuel type, quantity, permitted emission factors and emissions for each unit for each day of operation, in the format approved by the District. [District NSR Rule]
10. Records required by this permit shall be retained on site for a period of at least five years and shall be made readily available for District inspection upon request. [District NSR Rule]
11. Total daily emissions of each air contaminant, and total daily fuel used, for each unit subject to the SLC and for each day of the month, shall be submitted to the District quarterly, if no SLC violations occurred in the previous six months. [District NSR Rule]
12. Total daily emissions of each air contaminant, and total daily fuel used, for each unit subject to the SLC and for each day of the month, shall be submitted to the District monthly, if SLC violations occurred in the previous six months. [District NSR Rule]
13. Reports of daily emissions and fuel usage, as required by this permit for units in the SLC, shall be submitted within 30 days after the end of the reporting period. [District NSR Rule]
14. For units equipped with continuous emissions monitors (CEMs), CEM records shall be used in place of calculated emissions. [District NSR Rule]
15. The operator shall apply to revise each Permit to Operate subject to the SLC when any unit subject to the SLC has a District-authorized change in daily emission rate, or Permit to Operate is surrendered or sold. [District NSR Rule]
16. Fuel oil sulfur content shall not exceed 1.1% by weight. [ ]
17. Sulfur content of natural gas used as fuel shall not exceed 0.35 gr/100 scf. [ ]
18. Excess combustion O2 shall be maintained at 2.5 to 3.5% by continuous operation of oxygen analyzer/controller. [ ]
19. Sufficient reference gas shall be available for continuous calibration of oxygen analyzer. [ ]
20. Fuel oil preheat and atomization equipment shall be operated and maintained as intended by manufacturer. [ ]
21. Emission rates for all units subject to SLC shall not exceed: PM-10 - 386.2 lb/day, SO4 - 201.3 lb/day, SO2 - 3441.8 lb/day, NO2 639.2 lb/day, VOC - 20.2 lb/day, and CO - 99.9 lb/day. [ ]
22. Units subject to SLC's are boiler S-1703-5 and steam generators S-1703-63, '-64, and '-65. [ ]

23. Maximum gas fired emission rates shall not exceed: PM-10 - 0.005 lb/MMBtu, SO4 - 0.00 lb/MMBtu, SO2 - 0.001 lb/MMBtu, NO2 - 0.14 lb/MMBtu, VOC - 0.0035 lb/MMBtu, and CO - 0.028 lb/MMBtu. [ ]

24. Maximum casing fas fired emission rates shall not exceed: PM-10 - 0.005 lb/MMBtu, SO4 - 0.00 lb/MMBtu, SO2 - 1.242 lb/MMBtu, NO2 - 0.14 lb/MMBtu, VOC - 0.0035 lb/MMBtu, and CO - 0.028 lb/MMBtu. [ ]

25. Maximum oil fired emission rates shall not exceed: PM-10 - 0.13 lb/MMBtu, SO4 - 0.07 lb/MMBtu, SO2 - 1.143 lb/MMBtu, NO2 - 0.20 lb/MMBtu, VOC - 0.007 lb/MMBtu, and CO - 0.033 lb/MMBtu. [ ]

26. For this emission unit, the overall throttle and use factor used in the SLC is 64%. [ ]

27. If fuel use monitoring provisions fail, emissions shall be calculated based on operational data, or if not available, set equal to the average of four days prior to failure and permittee shall meet the requirements of Rule 1100 for CEM's. [ ]

28. When oil firing, compliance source testing for NO2 oil firing emission rates shall be conducted annually within 60 days prior to permit anniversary, and at fuel switch to oil (unless oir firing has been tested within the preceding 12 months). [ ]

29. When gas firing, compliance source testing for fuel gas sulfur content shall be conducted annually (or as approved by the District) by gas analysis within 60 days prior to permit anniversary. [ ]

30. The sample collection shall be conducted under conditions (fuel quality, firing rate of at least 75%, waste gas incineration, etc.) expected to result in the highest emissions. [ ]

31. Should testing extablish emission factors higher than approved, the higher emission factor shall be used in total daily emissions calculations. [ ]

32. The higher emission factor shall be incorporated into the approved specific limiting condition (SLC) plan by application for Authority to Construct. [ ]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-64-8 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
62.5 MMBTU/HR C.E. NATCO STEAM GENERATOR HSG#70-13, WITH NORTH AMERICAN OPTIMIZER DUAL FIRED BURNER MODEL 5131-HGCR-62.5 BURNER ASSEMBLY, DIS#: 20616-79

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
3. Steam generator firebox convection section, scrubber bypass valve, and all flue gas ductwork shall be maintained with no detectable leaks. [District NSR Rule]
4. Scrubber recirculation liquid pH shall be maintained only by the addition of caustic unless prior approval for an alternative pH maintenance method is received from the District. [District NSR Rule]
5. All wells producing from strata steamed by this unit shall be connected to a District-approved emissions control system, have District-approved closed casing vents or be District-approved uncontrolled cyclic wells. [District Rule 4401]
6. Compliance testing shall be conducted annually as required by the District-approved plan. [District Rule 1081]
7. Compliance source testing shall be conducted under conditions representative of normal operation. [District Rule 1081]
8. Should source testing indicate an emission factor higher than that approved, the operator shall comply with Rule 1100 and, if necessary, submit an application for Authority to Construct to incorporate the higher emission factor into the SLC. [District NSR Rule]
9. The permittee shall maintain records of fuel type, quantity, permitted emission factors and emissions for each unit for each day of operation, in the format approved by the District. [District NSR Rule]
10. Records required by this permit shall be retained on site for a period of at least five years and shall be made readily available for District inspection upon request. [District NSR Rule]
11. Total daily emissions of each air contaminant, and total daily fuel used, for each unit subject to the SLC and for each day of the month, shall be submitted to the District quarterly, if no SLC violations occurred in the previous six months. [District NSR Rule]
12. Total daily emissions of each air contaminant, and total daily fuel used, for each unit subject to the SLC and for each day of the month, shall be submitted to the District monthly, if SLC violations occurred in the previous six months. [District NSR Rule]
13. Reports of daily emissions and fuel usage, as required by this permit for units in the SLC, shall be submitted within 30 days after the end of the reporting period. [District NSR Rule]
14. For units equipped with continuous emissions monitors (CEMs), CEM records shall be used in place of calculated emissions. [District NSR Rule]
15. The operator shall apply to revise each Permit to Operate subject to the SLC when any unit subject to the SLC has a District-authorized change in daily emission rate, or Permit to Operate is surrendered or sold. [District NSR Rule]
16. Fuel oil sulfur content shall not exceed 1.1% by weight. [ ]
17. Sulfur content of natural gas used as fuel shall not exceed 0.35 gr/100 scf. [ ]
18. Excess combustion O2 shall be maintained at 2.5 to 3.5% by continuous operation of oxygen analyzer/controller. [ ]
19. Sufficient reference gas shall be available for continuous calibration of oxygen analyzer. [ ]
20. Fuel oil preheat and atomization equipment shall be operated and maintained as intended by manufacturer. [ ]
21. Emission rates for all units subject to SLC shall not exceed: PM-10 - 386.2 lb/day, SO4 - 201.3 lb/day, SO2 - 3441.8 lb/day, NO2 639.2 lb/day, VOC - 20.2 lb/day, and CO - 99.9 lb/day. [ ]
22. Units subject to SLC's are boiler S-1703-5 and steam generators S-1703-63, '-64, and '-65. [ ]

23. Maximum gas fired emission rates shall not exceed: PM-10 - 0.005 lb/MMBtu, SO4 - 0.00 lb/MMBtu, SO2 - 0.001 lb/MMBtu, NO2 - 0.14 lb/MMBtu, VOC - 0.0035 lb/MMBtu, and CO - 0.028 lb/MMBtu. [ ]

24. Maximum casing gas fired emission rates shall not exceed: PM-10 - 0.005 lb/MMBtu, SO4 - 0.00 lb/MMBtu, SO2 - 1.242 lb/MMBtu, NO2 - 0.14 lb/MMBtu, VOC - 0.0035 lb/MMBtu, and CO - 0.028 lb/MMBtu. [ ]

25. Maximum oil fired emission rates shall not exceed: PM-10 - 0.13 lb/MMBtu, SO4 - 0.07 lb/MMBtu, SO2 - 1.143 lb/MMBtu, NO2 - 0.20 lb/MMBtu, VOC - 0.007 lb/MMBtu, and CO - 0.033 lb/MMBtu. [ ]

26. For this emission unit, the overall throttle and use factor used in the SLC is 64%. [ ]

27. If fuel use monitoring provisions fail, emissions shall be calculated based on operational data, or if not available, set equal to the average of four days prior to failure and permittee shall meet the requirements of Rule 1100 for CEM's. [ ]

28. When oil firing, compliance source testing for NO2 oil firing emission rates shall be conducted annually within 60 days prior to permit anniversary, and at fuel switch to oil (unless oir firing has been tested within the preceding 12 months). [ ]

29. When gas firing, compliance source testing for fuel gas sulfur content shall be conducted annually (or as approved by the District) by gas analysis within 60 days prior to permit anniversary. [ ]

30. The sample collection shall be conducted under conditions (fuel quality, firing rate of at least 75%, waste gas incineration, etc.) expected to result in the highest emissions. [ ]

31. Should testing extablish emission factors higher than approved, the higher emission factor shall be used in total daily emissions calculations. [ ]

32. The higher emission factor shall be incorporated into the approved specific limiting condition (SLC) plan by application for Authority to Construct. [ ]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-65-8 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
62.5 MMBTU/HR C.E. NATCO STEAM GENERATOR HGS#70-21, WITH NORTH AMERICAN OPTIMIZER DUAL FIRED BURNER MODEL 5131-HGCR-62.5, DIS#: 20617-79

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
3. Steam generator firebox convection section, scrubber bypass valve, and all flue gas ductwork shall be maintained with no detectable leaks. [District NSR Rule]
4. Scrubber recirculation liquid pH shall be maintained only by the addition of caustic unless prior approval for an alternative pH maintenance method is received from the District. [District NSR Rule]
5. All wells producing from strata steamed by this unit shall be connected to a District-approved emissions control system, have District-approved closed casing vents or be District-approved uncontrolled cyclic wells. [District Rule 4401]
6. Compliance testing shall be conducted annually as required by the District-approved plan. [District Rule 1081]
7. Compliance source testing shall be conducted under conditions representative of normal operation. [District Rule 1081]
8. Should source testing indicate an emission factor higher than that approved, the operator shall comply with Rule 1100 and, if necessary, submit an application for Authority to Construct to incorporate the higher emission factor into the SLC. [District NSR Rule]
9. The permittee shall maintain records of fuel type, quantity, permitted emission factors and emissions for each unit for each day of operation, in the format approved by the District. [District NSR Rule]
10. Records required by this permit shall be retained on site for a period of at least five years and shall be made readily available for District inspection upon request. [District NSR Rule]
11. Total daily emissions of each air contaminant, and total daily fuel used, for each unit subject to the SLC and for each day of the month, shall be submitted to the District quarterly, if no SLC violations occurred in the previous six months. [District NSR Rule]
12. Total daily emissions of each air contaminant, and total daily fuel used, for each unit subject to the SLC and for each day of the month, shall be submitted to the District monthly, if SLC violations occurred in the previous six months. [District NSR Rule]
13. Reports of daily emissions and fuel usage, as required by this permit for units in the SLC, shall be submitted within 30 days after the end of the reporting period. [District NSR Rule]
14. For units equipped with continuous emissions monitors (CEMs), CEM records shall be used in place of calculated emissions. [District NSR Rule]
15. The operator shall apply to revise each Permit to Operate subject to the SLC when any unit subject to the SLC has a District-authorized change in daily emission rate, or Permit to Operate is surrendered or sold. [District NSR Rule]
16. Fuel oil sulfur content shall not exceed 1.1% by weight. [ ]
17. Sulfur content of natural gas used as fuel shall not exceed 0.35 gr/100 scf. [ ]
18. Excess combustion O2 shall be maintained at 2.5 to 3.5% by continuous operation of oxygen analyzer/controller. [ ]
19. Sufficient reference gas shall be available for continuous calibration of oxygen analyzer. [ ]
20. Fuel oil preheat and atomization equipment shall be operated and maintained as intended by manufacturer. [ ]
21. Emission rates for all units subject to SLC shall not exceed: PM-10 - 386.2 lb/day, SO4 - 201.3 lb/day, SO2 - 3441.8 lb/day, NO2 639.2 lb/day, VOC - 20.2 lb/day, and CO - 99.9 lb/day. [ ]
22. Units subject to SLC's are boiler S-1703-5 and steam generators S-1703-63, '-64, and '-65. [ ]

23. Maximum gas fired emission rates shall not exceed: PM-10 - 0.005 lb/MMBtu, SO4 - 0.00 lb/MMBtu, SO2 - 0.001 lb/MMBtu, NO2 - 0.14 lb/MMBtu, VOC - 0.0035 lb/MMBtu, and CO - 0.028 lb/MMBtu. [ ]

24. Maximum casing gas fired emission rates shall not exceed: PM-10 - 0.005 lb/MMBtu, SO4 - 0.00 lb/MMBtu, SO2 - 1.242 lb/MMBtu, NO2 - 0.14 lb/MMBtu, VOC - 0.0035 lb/MMBtu, and CO - 0.028 lb/MMBtu. [ ]

25. Maximum oil fired emission rates shall not exceed: PM-10 - 0.13 lb/MMBtu, SO4 - 0.07 lb/MMBtu, SO2 - 1.143 lb/MMBtu, NO2 - 0.20 lb/MMBtu, VOC - 0.007 lb/MMBtu, and CO - 0.033 lb/MMBtu. [ ]

26. For this emission unit, the overall throttle and use factor used in the SLC is 64%. [ ]

27. If fuel use monitoring provisions fail, emissions shall be calculated based on operational data, or if not available, set equal to the average of four days prior to failure and permittee shall meet the requirements of Rule 1100 for CEM's. [ ]

28. When oil firing, compliance source testing for NO2 oil firing emission rates shall be conducted annually within 60 days prior to permit anniversary, and at fuel switch to oil (unless oir firing has been tested within the preceding 12 months). [ ]

29. When gas firing, compliance source testing for fuel gas sulfur content shall be conducted annually (or as approved by the District) by gas analysis within 60 days prior to permit anniversary. [ ]

30. The sample collection shall be conducted under conditions (fuel quality, firing rate of at least 75%, waste gas incineration, etc.) expected to result in the highest emissions. [ ]

31. Should testing extablish emission factors higher than approved, the higher emission factor shall be used in total daily emissions calculations. [ ]

32. The higher emission factor shall be incorporated into the approved specific limiting condition (SLC) plan by application for Authority to Construct. [ ]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-67-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
THREE 600 GALLON AND 1,000 GALLON ABOVEGROUND STORAGE TANKS WITH FOUR GASOLINE DISPENSING NOZZLES (INSTALLED PRIOR TO JULY 1, 1975)

PERMIT UNIT REQUIREMENTS

1. The tanks shall be equipped with submerged fill pipes that extend to within six (6) inches of the bottom of the tank. [District Rule 4621, 4.1.2], [Federally Enforceable Through Title V]
2. Aggregate dispensing throughput shall not exceed 24,000 gallons per calendar year and it shall not exceed 10,000 gallons in any consecutive 30-day period. [District Rule 4622, 4.1], [Federally Enforceable Through Title V]
3. Permittee shall maintain gasoline throughput records which will allow the gasoline throughput for any 30-day period to be continuously determined. [District Rule 4622, 6.1 and District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
4. Aboveground storage tank(s) shall be equipped with pressure/vacuum valves set to within 10 percent of the maximum working pressure of the tank. [District Rule 4621; District NSR Rule], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-68-0 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
600 GALLON ABOVEGROUND GASOLINE STORAGE TANK AND 1 NOZZLE - COMBINED WITH S-1703-67 LMS 6/22/95

PERMIT UNIT REQUIREMENTS

1. The tank is to be equipped with a submerged fill pipe that extends to within six (6) inches of the bottom of the tank. [District Rule 4621]
2. Aboveground storage tank(s) shall be equipped with pressure/vacuum valves set to within 10 percent of the maximum working pressure of the tank. [District Rule 4621]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-69-0 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
600 GALLON ABOVEGROUND GASOLINE STORAGE TANK 1 NOZZLE - COMBINED WITH S-1703-67 LMS 6/22/95

PERMIT UNIT REQUIREMENTS

1. The tank is to be equipped with a submerged fill pipe that extends to within six (6) inches of the bottom of the tank. [District Rule 4621]
2. Aboveground storage tank(s) shall be equipped with pressure/vacuum valves set to within 10 percent of the maximum working pressure of the tank. [District Rule 4621]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-70-0 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
600 GALLON ABOVEGROUND GASOLINE STORAGE TANK AND 1 NOZZLE - COMBINED WITH S-1703-67 LMS 6/22/95

PERMIT UNIT REQUIREMENTS

1. The tank is to be equipped with a submerged fill pipe that extends to within six (6) inches of the bottom of the tank. [District Rule 4621]
2. Aboveground storage tank(s) shall be equipped with pressure/vacuum valves set to within 10 percent of the maximum working pressure of the tank. [District Rule 4621]
3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-73-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
42,000 GALLON (1,000 BBL) FIXED ROOF PETROLEUM STORAGE TANK #10S600

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-74-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
42,000 GALLON (1,000 BBL) FIXED ROOF PETROLEUM STORAGE TANK #10S180

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-75-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
42,000 GALLON (1,000 BBL) FIXED ROOF PETROLEUM STORAGE TANK #10S511

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-76-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
42,000 GALLON (1,000 BBL) FIXED ROOF PETROLEUM STORAGE TANK #1001

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-77-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
42,000 GALLON (1,000 BBL) FIXED ROOF PETROLEUM STORAGE TANK #1002

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-78-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
42,000 GALLON (1,000 BBL) FIXED ROOF PETROLEUM STORAGE TANK #1003

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
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PERMIT UNIT: S-1703-79-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
42,000 GALLON (1,000 BBL) FIXED ROOF PETROLEUM STORAGE TANK #1004

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-80-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
42,000 GALLON (1,000 BBL) FIXED ROOF PETROLEUM STORAGE TANK #1008

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-81-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
105,000 GALLON (2,500 BBL) FIXED ROOF PETROLEUM STORAGE TANK #1012

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-82-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
105,000 GALLON (2,500 BBL) FIXED ROOF PETROLEUM STORAGE TANK #1013

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-83-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
63,000 GALLON (1,500 BBL) FIXED ROOF PETROLEUM STORAGE TANK #15S101

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
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PERMIT UNIT: S-1703-84-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
42,000 GALLON (1,000 BBL) FIXED ROOF PETROLEUM STORAGE TANK #10S126

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
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PERMIT UNIT: S-1703-85-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
42,000 GALLON (1,000 BBL) FIXED ROOF PETROLEUM STORAGE TANK #10S560

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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PERMIT UNIT: S-1703-86-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
42,000 GALLON (1,000 BBL) FIXED ROOF PETROLEUM STORAGE TANK #10S125

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-87-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
63,000 GALLON (1,500 BBL) FIXED ROOF PETROLEUM STORAGE TANK #15S102

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-88-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
63,000 GALLON (1,500 BBL) FIXED ROOF PETROLEUM STORAGE TANK #15S103

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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PERMIT UNIT: S-1703-89-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
63,000 GALLON (1,500 BBL) FIXED ROOF PETROLEUM STORAGE TANK #15S104

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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Air Pollution Control District

PERMIT UNIT: S-1703-90-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
63,000 GALLON (1,500 BBL) FIXED ROOF PETROLEUM STORAGE TANK #15S105

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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PERMIT UNIT: S-1703-91-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
105,000 GALLON (2,500 BBL) FIXED ROOF PETROLEUM STORAGE TANK #25S165

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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Air Pollution Control District

PERMIT UNIT: S-1703-92-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
105,000 GALLON (2,500 BBL) FIXED ROOF PETROLEUM STORAGE TANK #25S166

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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PERMIT UNIT: S-1703-93-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
21,000 GALLON (500 BBL) FIXED ROOF PETROLEUM STORAGE TANK #15S136

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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PERMIT UNIT: S-1703-94-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
10,500 GALLON (250 BBL) FIXED ROOF PETROLEUM STORAGE TANK #TOC6

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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PERMIT UNIT: S-1703-95-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
42,000 GALLON (1,000 BBL) FIXED ROOF PETROLEUM STORAGE TANK #10S642

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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PERMIT UNIT: S-1703-96-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
42,000 GALLON (1,000 BBL) FIXED ROOF PETROLEUM STORAGE TANK #10S643

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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PERMIT UNIT: S-1703-97-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
21,000 GALLON (500 BBL) FIXED ROOF PETROLEUM STORAGE TANK #10S644

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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PERMIT UNIT: S-1703-98-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
210,000 GALLON (5,000 BBL) FIXED ROOF PETROLEUM STORAGE TANK #50S104

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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PERMIT UNIT: S-1703-99-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
21,000 GALLON (500 BBL) FIXED ROOF PETROLEUM STORAGE TANK #5S607

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-100-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
21,000 GALLON (500 BBL) FIXED ROOF PETROLEUM STORAGE TANK #5S608

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-101-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
21,000 GALLON (500 BBL) FIXED ROOF PETROLEUM STORAGE TANK #5S609

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-102-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
4,200 GALLON (100 BBL) FIXED ROOF PETROLEUM STORAGE TANK #101

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-103-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
4,200 GALLON (100 BBL) FIXED ROOF PETROLEUM STORAGE TANK #102

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-104-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
4,200 GALLON (100 BBL) FIXED ROOF PETROLEUM STORAGE TANK #103

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-105-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
105,000 GALLON (2,500 BBL) FIXED ROOF PETROLEUM STORAGE TANK #25S604

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-106-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
42,000 GALLON (1,000 BBL) FIXED ROOF PETROLEUM STORAGE TANK #10S603

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-107-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
105,000 GALLON (2,500 BBL) FIXED ROOF PETROLEUM STORAGE TANK #25S156

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-108-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
105,000 GALLON (2,500 BBL) FIXED ROOF PETROLEUM STORAGE TANK #25S158

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-109-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
210,000 GALLON (5,000 BBL) FIXED ROOF PETROLEUM STORAGE TANK #50S105

PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-110-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
63,000 GALLON (1,500 BBL) FIXED ROOF PETROLEUM STORAGE TANK #13857

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-111-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
63,000 GALLON (1,500 BBL) FIXED ROOF PETROLEUM STORAGE TANK #135775

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-112-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
63,000 GALLON (1,500 BBL) FIXED ROOF PETROLEUM STORAGE TANK #13858

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-113-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
42,000 GALLON (1,000 BBL) FIXED ROOF PETROLEUM STORAGE TANK #10S640

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-114-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
105,000 GALLON (2,500 BBL) FIXED ROOF PETROLEUM STORAGE TANK #25S157

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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PERMIT UNIT: S-1703-115-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
4,200 GALLON (100 BBL) FIXED ROOF PETROLEUM STORAGE TANK #501

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-116-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
4,200 GALLON (100 BBL) FIXED ROOF PETROLEUM STORAGE TANK #502

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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Air Pollution Control District

PERMIT UNIT: S-1703-117-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
4,200 GALLON (100 BBL) FIXED ROOF PETROLEUM STORAGE TANK #503

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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Air Pollution Control District

PERMIT UNIT: S-1703-118-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
21,000 GALLON (500 BBL) FIXED ROOF PETROLEUM STORAGE TANK #5S129

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-119-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
21,000 GALLON (500 BBL) FIXED ROOF PETROLEUM STORAGE TANK #5S595

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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Air Pollution Control District

PERMIT UNIT: S-1703-120-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
105,000 GALLON (2,500 BBL) FIXED ROOF PETROLEUM STORAGE TANK #25S700

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-121-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
210,000 GALLON (5,000 BBL) FIXED ROOF PETROLEUM STORAGE TANK #6854

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-122-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
84,000 GALLON (2,000 BBL) FIXED ROOF PETROLEUM STORAGE TANK #6855

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-123-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
84,000 GALLON (2,000 BBL) FIXED ROOF PETROLEUM STORAGE TANK #7753

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-124-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
84,000 GALLON (2,000 BBL) FIXED ROOF PETROLEUM STORAGE TANK, #5135

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-125-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
21,000 GALLON (500 BBL) FIXED ROOF PETROLEUM STORAGE TANK #5136

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-126-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
42,000 GALLON (1,000 BBL) FIXED ROOF PETROLEUM STORAGE TANK #10S124

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-127-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
10,500 GALLON (250 BBL) FIXED ROOF PETROLEUM STORAGE TANK #RMD

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-128-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
63,000 GALLON (1,500 BBL) FIXED ROOF PETROLEUM STORAGE TANK #15S125

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-129-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
63,000 GALLON (1,500 BBL) FIXED ROOF PETROLEUM STORAGE TANK #TOC1

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-130-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
84,000 GALLON (2,000 BBL) FIXED ROOF PETROLEUM STORAGE TANK #20S150

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-131-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
105,000 GALLON (2,500 BBL) FIXED ROOF PETROLEUM STORAGE TANK #25S168

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-132-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
105,000 GALLON (2,500 BBL) FIXED ROOF PETROLEUM STORAGE TANK #ACT

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-133-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
105,000 GALLON (2,500 BBL) FIXED ROOF PETROLEUM STORAGE TANK #25S110

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-134-3 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
THERMALLY ENHANCED OIL RECOVERY (TEOR) OPERATION WITH UP TO 6 STEAM DRIVE WELLS, INCLUDING PIPING FROM CASING ANNULUS TO WELLHEAD PRODUCTION FLOWLINE

PERMIT UNIT REQUIREMENTS

1. The crude oil production from wells associated with this permit unit shall not lie within 1000 feet of an air injection well used for in-situ combustion. [District Rule 4407, 2.0, 3.4, and 3.5], [Federally Enforceable Through Title V]
2. During the time any steam-enhanced crude oil production well is undergoing service or repair while the well is not producing, it shall be exempt from the emission control requirements of District Rule 4401, 5.0 (as amended January 15, 1998). [District Rule 4401, 4.1], [Federally Enforceable Through Title V]
3. All required source testing shall conform to the compliance testing procedures described in District Rule 1081(as amended December 16, 1993). [District Rule 1081], [Federally Enforceable Through Title V]
4. The operator shall maintain monitoring records of the date and well identification where steam injection or well stimulation occurs. [District Rule 4401, 6.1], [Federally Enforceable Through Title V]
5. The uncontrolled VOC emissions from any well vent shall be reduced by at least 99 percent by weight or, if several steam-enhanced crude oil production well vents are connected to a vapor collection and control system, total uncontrolled VOC emissions shall be reduced by at least 99 percent. This requirement does not apply to cyclic wells located on contiguous and adjacent oil production properties with less than 10 cyclic wells owned by or under the control of a company. [District Rule 4401, 5.1 and 5.2], [Federally Enforceable Through Title V]
6. For cyclic wells located on properties with less than 10 cyclic wells and owned by a company, the uncontrolled VOC emissions from any well vent or system of well vents connected to a single control device shall be reduced by at least 50 percent. Properties shall include contiguous and adjacent oil production properties owned by or under control of the company. [District Rule 4401, 5.4], [Federally Enforceable Through Title V]
7. Total number of leaks from the vapor collection and control system, including condensate handling, shall not exceed the number as allowed by Rule 4401 (as amended January 15, 1998) at any one time. [District Rule 4401, 5.3], [Federally Enforceable Through Title V]
8. Units consisting of more than 500 wells shall not exceed one leak detected for each 20 wells tested with a minimum of 50 wells tested. [District Rule 4401, 5.3], [Federally Enforceable Through Title V]
9. Operator shall affix a readily visible tag bearing the date on which a leak is detected. The tag shall remain in place until the leaking component is repaired. [District Rule 4401, 5.3.1], [Federally Enforceable Through Title V]
10. Operator shall repair each leak within 15 days of detection. The APCO may grant a 10 day extension if the operator demonstrates that the necessary and sufficient actions have and are being taken to correct the leak. [District Rule 4401, 5.3.1], [Federally Enforceable Through Title V]
11. Operator shall maintain all components of a well vent vapor collection and control system in good repair. Components of the well vent vapor collection and control system shall include all piping, valves, fittings, pumps, compressors, tanks, etc. used to collect, control, store, or dispose of VOC condensate or non-condensable VOCs and which is prior to any blending of VOC condensate with crude oil or blending of non-condensable VOCs with gases to be used as a fuel. [District Rule 4401, 5.3 and 5.3.2], [Federally Enforceable Through Title V]
12. Annual control efficiency compliance tests shall be performed on all vapor collection and control systems used to control emissions from steam-enhanced crude oil production wells. Testing shall be performed by ARB certified contractors during June, July, August or September of each year if the system's control efficiency is dependent upon ambient air temperature. The APCO may waive the requirements of this condition if the vapor control system does not exhaust to atmosphere or if all uncondensed VOC emissions collected by a vapor collection and control system are burned in fuel burning equipment or in a smokeless open flare and the source's Operating Permit contains adequate periodic monitoring to ensure the source meets 99% control efficiency. [District Rule 4401, 5.1, 5.2 and 6.2.1], [Federally Enforceable Through Title V]
13. The control efficiency of the vapor collection and control system designed to control VOC emissions from steam enhanced crude oil production wells shall be determined by mass balance based on most stringent of a source test, USEPA approved emission factors, or Air Pollution (AP)-42 emission factors for components and number of components; and the efficiency of destruction devices determined by USEPA Method 25, 25a, or 25b as applicable. [District Rule 4401, 6.3.1], [Federally Enforceable Through Title V]

14. VOC content shall be determined using the latest revision of ASTM Method E168, E169, or E260 as applicable. [District Rule 4401, 6.3.2], [Federally Enforceable Through Title V]

15. The source shall perform leak inspections at least annually, using a portable hydrocarbon detection instrument in accordance with EPA Method 21. [District Rules 2520, 9.4.2 and 4401, 6.3.3], [Federally Enforceable Through Title V]

16. Permittee shall maintain with the permit a current listing of all steam enhanced wells connected to the casing vent control system and shall make such listing readily available for District inspection upon request. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

17. There shall be no more than 3 leaks from the vapor collection and control system including condensate handling, at any one time. [District NSR Rule], [Federally Enforceable Through Title V]

18. Condensate collection vessel shall be equipped with high efficiency mist eliminator. [District NSR Rule], [Federally Enforceable Through Title V]

19. All fluids and gas produced from steam drive wells shall be piped to tank battery S-1703-16 thru '-26 only. [District NSR Rule], [Federally Enforceable Through Title V]

20. Well vent gas shall be incinerated in 4.0 MMBtu/hr tank heater boiler and/or tank battery flare S-1703-27. [District NSR Rule], [Federally Enforceable Through Title V]

21. VOC emission rate shall not exceed 0.77 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-139-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
420,000 GALLON FIXED ROOF PETROLEUM STORAGE TANK ID# 10RM105-U.S.L. LEASE

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-140-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
252,000 GALLON FIXED ROOF PETROLEUM STORAGE TANK ID # 6RM107-U.S.L. LEASE

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-141-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
210,000 GALLON FIXED ROOF WASH TANK ID # 5RM102 - U.S.L. LEASE

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-142-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
31,500 GALLON FIXED ROOF PETROLEUM STORAGE TANK ID # 7.5RM103C-U.S.L. LEASE

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
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PERMIT UNIT: S-1703-143-2 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
THERMALLY ENHANCED OIL RECOVERY (TEOR) WELL VENT VAPOR CONTROL SYSTEM SERVING 15 STEAM ENHANCED WELLS AND TANKS S-1703-144, 145, 146, AND 150 WITH COMPRESSED VAPOR PIPING TO STEAM GENERATORS S-1703-157, 158, 159, 160, AND 161 FOR INCINERATION OF NONCONDENSIBLE VAPORS

PERMIT UNIT REQUIREMENTS

1. The crude oil production from wells associated with this permit unit shall not lie within 1000 feet of an air injection well used for in-situ combustion. [District Rule 4407, 2.0, 3.4, and 3.5], [Federally Enforceable Through Title V]
2. During the time any steam-enhanced crude oil production well is undergoing service or repair while the well is not producing, it shall be exempt from the emission control requirements of District Rule 4401, 5.0 (as amended January 15, 1998). [District Rule 4401, 4.1], [Federally Enforceable Through Title V]
3. All required source testing shall conform to the compliance testing procedures described in District Rule 1081(as amended December 16, 1993). [District Rule 1081], [Federally Enforceable Through Title V]
4. The operator shall maintain monitoring records of the date and well identification where steam injection or well stimulation occurs. [District Rule 4401, 6.1], [Federally Enforceable Through Title V]
5. The uncontrolled VOC emissions from any well vent shall be reduced by at least 99 percent by weight or, if several steam-enhanced crude oil production well vents are connected to a vapor collection and control system, total uncontrolled VOC emissions shall be reduced by at least 99 percent. This requirement does not apply to cyclic wells located on contiguous and adjacent oil production properties with less than 10 cyclic wells owned by or under the control of a company. [District Rule 4401, 5.1 and 5.2], [Federally Enforceable Through Title V]
6. For cyclic wells located on properties with less than 10 cyclic wells and owned by a company, the uncontrolled VOC emissions from any well vent or system of well vents connected to a single control device shall be reduced by at least 50 percent. Properties shall include contiguous and adjacent oil production properties owned by or under control of the company. [District Rule 4401, 5.4], [Federally Enforceable Through Title V]
7. Total number of leaks from the vapor collection and control system, including condensate handling, shall not exceed the number as allowed by Rule 4401 (as amended January 15, 1998) at any one time. [District Rule 4401, 5.3], [Federally Enforceable Through Title V]
8. Units consisting of more than 500 wells shall not exceed one leak detected for each 20 wells tested with a minimum of 50 wells tested. [District Rule 4401, 5.3], [Federally Enforceable Through Title V]
9. Operator shall affix a readily visible tag bearing the date on which a leak is detected. The tag shall remain in place until the leaking component is repaired. [District Rule 4401, 5.3.1], [Federally Enforceable Through Title V]
10. Operator shall repair each leak within 15 days of detection. The APCO may grant a 10 day extension if the operator demonstrates that the necessary and sufficient actions have and are being taken to correct the leak. [District Rule 4401, 5.3.1], [Federally Enforceable Through Title V]
11. Operator shall maintain all components of a well vent vapor collection and control system in good repair. Components of the well vent vapor collection and control system shall include all piping, valves, fittings, pumps, compressors, tanks, etc. used to collect, control, store, or dispose of VOC condensate or non-condensable VOCs and which is prior to any blending of VOC condensate with crude oil or blending of non-condensable VOCs with gases to be used as a fuel. [District Rule 4401, 5.3 and 5.3.2], [Federally Enforceable Through Title V]
12. Annual control efficiency compliance tests shall be performed on all vapor collection and control systems used to control emissions from steam-enhanced crude oil production wells. Testing shall be performed by ARB certified contractors during June, July, August or September of each year if the system's control efficiency is dependent upon ambient air temperature. The APCO may waive the requirements of this condition if the vapor control system does not exhaust to atmosphere or if all uncondensed VOC emissions collected by a vapor collection and control system are burned in fuel burning equipment or in a smokeless open flare and the source's Operating Permit contains adequate periodic monitoring to ensure the source meets 99% control efficiency. [District Rule 4401, 5.1, 5.2 and 6.2.1], [Federally Enforceable Through Title V]
13. The control efficiency of the vapor collection and control system designed to control VOC emissions from steam enhanced crude oil production wells shall be determined by mass balance based on most stringent of a source test, USEPA approved emission factors, or Air Pollution (AP)-42 emission factors for components and number of components; and the efficiency of destruction devices determined by USEPA Method 25, 25a, or 25b as applicable. [District Rule 4401, 6.3.1], [Federally Enforceable Through Title V]

14. VOC content shall be determined using the latest revision of ASTM Method E168, E169, or E260 as applicable. [District Rule 4401, 6.3.2], [Federally Enforceable Through Title V]

15. The source shall perform leak inspections at least annually, using a portable hydrocarbon detection instrument in accordance with EPA Method 21. [District Rules 2520, 9.4.2 and 4401, 6.3.3], [Federally Enforceable Through Title V]

16. Permittee shall maintain with the permit a current listing of all steam enhanced wells connected to the casing vent control system and shall make such listing readily available for District inspection upon request. [District Rule 4401, 6.1], [Federally Enforceable Through Title V]

17. The operation shall be equipped with heat exchangers, free water knockouts, gas liquid separators, vapor compressors with electric motors, and compressed vapor piping to any of the following steam generators S-1703-157, 158, 159, 160, 161 or 162. [District NSR Rule], [Federally Enforceable Through Title V]

18. Noncondensibles shall be incinerated in steam generators S-1703-157, 158, 159, 160, 161 or 162. [District NSR Rule], [Federally Enforceable Through Title V]

19. Volatile Organic Compound (VOC) emissions shall not exceed 1.29 lb/day. [District NSR Rule], [Federally Enforceable Through Title V]

San Joaquin Valley
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PERMIT UNIT: S-1703-144-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
84,000 GALLON FIXED ROOF PETROLEUM STORAGE TANK #T-240 VENTING TO VAPOR CONTROL SYSTEM PERMITTED UNDER S-1703-143-0

PERMIT UNIT REQUIREMENTS

1. Each tank shall be equipped with stored liquid temperature indicator. [District NSR Rule], [Federally Enforceable Through Title V]
2. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a gas-tight cover which shall be closed at all times except during gauging or sampling. Gas-tight shall be defined as emitting no more than 10,000 ppm of methane measured at a distance of one centimeter from the potential source with an instrument calibrated with methane in accordance with EPA Method 21. Emissions in excess of this limit shall be considered a leak. [District Rule 4623, 5.3.2], [Federally Enforceable Through Title V]
3. Tanks seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight (as defined in Rule 4623 amended 12/17/92) condition. [District Rule 4623, 5.3.3], [Federally Enforceable Through Title V]
4. All tanks, gauge hatches, thief hatches, sampling ports, pressure relief valves, etc. shall be closed and gas-tight (as defined in Rule 4623 amended 12/17/99) during normal operation. [District Rule 4623, 5.3.2], [Federally Enforceable Through Title V]
5. Tank vapors shall vent only to vapor control system permitted under S-1703-143. [District NSR Rule], [Federally Enforceable Through Title V]
6. True vapor pressure of liquids stored shall not exceed 3.56 psia. [District NSR Rule], [Federally Enforceable Through Title V]
7. Tank daily throughput shall not exceed 8620 bbl/day oil. [District NSR Rule], [Federally Enforceable Through Title V]
8. Permittee shall keep accurate records of storage temperature, Reid vapor pressure, and daily throughput of liquids stored in each tank and such records shall be made readily available for District inspection upon request. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. The tank shall be equipped with a vapor loss prevention system capable of collecting all VOC emissions and preventing their emissions to the atmosphere at an efficiency of at least 95% by weight. [District Rule 4623, 5.3.1], [Federally Enforceable Through Title V]
10. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 95 percent efficient as measured by EPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 95% control efficiency as measured by EPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

15. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

16. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

17. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323-82 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and ARB approved calculations. [District Rule 4623, 6.2.2], [Federally Enforceable Through Title V]

18. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from ARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 4623, 6.2.3], [Federally Enforceable Through Title V]

19. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in EPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 4623, 6.2.4], [Federally Enforceable Through Title V]

20. The efficiency of any VOC destruction device shall be measured by EPA Method 25, 25a, or 25b. [District Rule 4623, 6.2.5], [Federally Enforceable Through Title V]

21. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

22. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
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PERMIT UNIT: S-1703-145-2 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
1,000 BBL FIXED ROOF CRUDE OIL STORAGE TANK T-245 WITH VAPOR CONTROL LISTED ON S-1703-143

PERMIT UNIT REQUIREMENTS

1. Tank shall be equipped with stored liquid temperature indicator. [District NSR Rule], [Federally Enforceable Through Title V]
2. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a gas-tight cover which shall be closed at all times except during gauging or sampling. Gas-tight shall be defined as emitting no more than 10,000 ppm of methane measured at a distance of one centimeter from the potential source with an instrument calibrated with methane in accordance with EPA Method 21. Emissions in excess of this limit shall be considered a leak. [District Rule 4623, 5.3.2], [Federally Enforceable Through Title V]
3. Tanks seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight (as defined in Rule 4623 amended 12/17/92) condition. [District Rule 4623, 5.3.3], [Federally Enforceable Through Title V]
4. All tanks, gauge hatches, thief hatches, sampling ports, pressure relief valves, etc. shall be closed and gas-tight (as defined in Rule 4623 amended 12/17/92) during normal operation. [District Rule 4623, 5.3.2], [Federally Enforceable Through Title V]
5. True vapor pressure of liquids stored shall not exceed 3.56 psia. [District NSR Rule], [Federally Enforceable Through Title V]
6. Tank throughput shall not exceed 9,578 bbl/day (monthly average). [District NSR Rule], [Federally Enforceable Through Title V]
7. Permittee shall keep accurate daily records of throughput, storage temperature, and Reid vapor pressure of liquids stored in each tank and such records shall be made readily available for District inspection upon request. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. The tank shall be equipped with a vapor loss prevention system capable of collecting all VOC emissions and preventing their emissions to the atmosphere at an efficiency of at least 95% by weight. [District Rule 4623, 5.3.1], [Federally Enforceable Through Title V]
9. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 95 percent efficient as measured by EPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 95% control efficiency as measured by EPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

15. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

16. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323-82 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and ARB approved calculations. [District Rule 4623, 6.2.2], [Federally Enforceable Through Title V]

17. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from ARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 4623, 6.2.3], [Federally Enforceable Through Title V]

18. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in EPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 4623, 6.2.4], [Federally Enforceable Through Title V]

19. The efficiency of any VOC destruction device shall be measured by EPA Method 25, 25a, or 25b. [District Rule 4623, 6.2.5], [Federally Enforceable Through Title V]

20. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
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PERMIT UNIT: S-1703-146-2 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
10,000 BBL FIXED ROOF CRUDE OIL WASH TANK T-110 VENTED TO VAPOR CONTROL LISTED ON S-1703-143-0

PERMIT UNIT REQUIREMENTS

1. Tank shall operate at constant level. [District NSR Rule], [Federally Enforceable Through Title V]
2. Tank shall be equipped with stored liquid temperature indicator. [District NSR Rule], [Federally Enforceable Through Title V]
3. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a gas-tight cover which shall be closed at all times except during gauging or sampling. Gas-tight shall be defined as emitting no more than 10,000 ppm of methane measured at a distance of one centimeter from the potential source with an instrument calibrated with methane in accordance with EPA Method 21. Emissions in excess of this limit shall be considered a leak. [District Rule 4623, 5.3.2], [Federally Enforceable Through Title V]
4. Tanks seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight (as defined in Rule 4623 amended 12/17/92) condition. [District Rule 4623, 5.3.3], [Federally Enforceable Through Title V]
5. All tanks, gauge hatches, thief hatches, sampling ports, pressure relief valves, etc. shall be closed and gas-tight (as defined in Rule 4623 amended 12/17/92) during normal operation. [District Rule 4623, 5.3.2], [Federally Enforceable Through Title V]
6. True vapor pressure of liquids stored shall not exceed 3.56 psia. [District NSR Rule], [Federally Enforceable Through Title V]
7. Permittee shall keep accurate records of storage temperature, Reid vapor pressure, and daily throughput of liquids stored in each tank and such records shall be made readily available for District inspection upon request. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. The tank shall be equipped with a vapor loss prevention system capable of collecting all VOC emissions and preventing their emissions to the atmosphere at an efficiency of at least 95% by weight. [District Rule 4623, 5.3.1], [Federally Enforceable Through Title V]
9. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 95 percent efficient as measured by EPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 95% control efficiency as measured by EPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

15. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

16. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323-82 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and ARB approved calculations. [District Rule 4623, 6.2.2], [Federally Enforceable Through Title V]

17. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from ARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 4623, 6.2.3], [Federally Enforceable Through Title V]

18. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in EPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 4623, 6.2.4], [Federally Enforceable Through Title V]

19. The efficiency of any VOC destruction device shall be measured by EPA Method 25, 25a, or 25b. [District Rule 4623, 6.2.5], [Federally Enforceable Through Title V]

20. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
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PERMIT UNIT: S-1703-150-2 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
3,300 BBL FIXED ROOF CRUDE OIL WASH TANK T-220 VENTED TO VAPOR CONTROL SYSTEM LISTED ON S-1703-143

PERMIT UNIT REQUIREMENTS

1. Tank shall operate at constant level. [District NSR Rule], [Federally Enforceable Through Title V]
2. Tank shall be equipped with stored liquid temperature indicator. [District NSR Rule], [Federally Enforceable Through Title V]
3. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a gas-tight cover which shall be closed at all times except during gauging or sampling. Gas-tight shall be defined as emitting no more than 10,000 ppm of methane measured at a distance of one centimeter from the potential source with an instrument calibrated with methane in accordance with EPA Method 21. Emissions in excess of this limit shall be considered a leak. [District Rule 4623, 5.3.2], [Federally Enforceable Through Title V]
4. Tanks seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight (as defined in Rule 4623 amended 12/17/92) condition. [District Rule 4623, 5.3.3], [Federally Enforceable Through Title V]
5. All tanks, gauge hatches, thief hatches, sampling ports, pressure relief valves, etc. shall be closed and gas-tight (as defined in Rule 4623 amended 12/17/92) during normal operation. [District Rule 4623, 5.3.2], [Federally Enforceable Through Title V]
6. True vapor pressure of liquids stored shall not exceed 3.56 psia. [District NSR Rule], [Federally Enforceable Through Title V]
7. Permittee shall keep accurate records of storage temperature, Reid vapor pressure, and daily throughput of liquids stored in each tank and such records shall be made readily available for District inspection upon request. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. The tank shall be equipped with a vapor loss prevention system capable of collecting all VOC emissions and preventing their emissions to the atmosphere at an efficiency of at least 95% by weight. [District Rule 4623, 5.3.1], [Federally Enforceable Through Title V]
9. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 95 percent efficient as measured by EPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 95% control efficiency as measured by EPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

15. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

16. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323-82 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and ARB approved calculations. [District Rule 4623, 6.2.2], [Federally Enforceable Through Title V]

17. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from ARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 4623, 6.2.3], [Federally Enforceable Through Title V]

18. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in EPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 4623, 6.2.4], [Federally Enforceable Through Title V]

19. The efficiency of any VOC destruction device shall be measured by EPA Method 25, 25a, or 25b. [District Rule 4623, 6.2.5], [Federally Enforceable Through Title V]

20. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-154-2 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
THERMALLY ENHANCED OIL RECOVERY (TEOR) WELL VENT VAPOR CONTROL SYSTEM SERVING 20 STEAM ENHANCED WELLS, WITH COMPRESSED VAPOR PIPING TO STEAM GENERATORS S-1703-157, 158, 159, 160, AND 161 FOR INCINERATION OF NONCONDENSIBLE VAPORS

PERMIT UNIT REQUIREMENTS

1. The crude oil production from wells associated with this permit unit shall not lie within 1000 feet of an air injection well used for in-situ combustion. [District Rule 4407, 2.0, 3.4, and 3.5], [Federally Enforceable Through Title V]
2. During the time any steam-enhanced crude oil production well is undergoing service or repair while the well is not producing, it shall be exempt from the emission control requirements of District Rule 4401, 5.0 (as amended January 15, 1998). [District Rule 4401, 4.1], [Federally Enforceable Through Title V]
3. All required source testing shall conform to the compliance testing procedures described in District Rule 1081(as amended December 16, 1993). [District Rule 1081], [Federally Enforceable Through Title V]
4. The operator shall maintain monitoring records of the date and well identification where steam injection or well stimulation occurs. [District Rule 4401, 6.1], [Federally Enforceable Through Title V]
5. The uncontrolled VOC emissions from any well vent shall be reduced by at least 99 percent by weight or, if several steam-enhanced crude oil production well vents are connected to a vapor collection and control system, total uncontrolled VOC emissions shall be reduced by at least 99 percent. This requirement does not apply to cyclic wells located on contiguous and adjacent oil production properties with less than 10 cyclic wells owned by or under the control of a company. [District Rule 4401, 5.1 and 5.2], [Federally Enforceable Through Title V]
6. For cyclic wells located on properties with less than 10 cyclic wells and owned by a company, the uncontrolled VOC emissions from any well vent or system of well vents connected to a single control device shall be reduced by at least 50 percent. Properties shall include contiguous and adjacent oil production properties owned by or under control of the company. [District Rule 4401, 5.4], [Federally Enforceable Through Title V]
7. Total number of leaks from the vapor collection and control system, including condensate handling, shall not exceed the number as allowed by Rule 4401 (as amended January 15, 1998) at any one time. [District Rule 4401, 5.3], [Federally Enforceable Through Title V]
8. Units consisting of more than 500 wells shall not exceed one leak detected for each 20 wells tested with a minimum of 50 wells tested. [District Rule 4401, 5.3], [Federally Enforceable Through Title V]
9. Operator shall affix a readily visible tag bearing the date on which a leak is detected. The tag shall remain in place until the leaking component is repaired. [District Rule 4401, 5.3.1], [Federally Enforceable Through Title V]
10. Operator shall repair each leak within 15 days of detection. The APCO may grant a 10 day extension if the operator demonstrates that the necessary and sufficient actions have and are being taken to correct the leak. [District Rule 4401, 5.3.1], [Federally Enforceable Through Title V]
11. Operator shall maintain all components of a well vent vapor collection and control system in good repair. Components of the well vent vapor collection and control system shall include all piping, valves, fittings, pumps, compressors, tanks, etc. used to collect, control, store, or dispose of VOC condensate or non-condensable VOCs and which is prior to any blending of VOC condensate with crude oil or blending of non-condensable VOCs with gases to be used as a fuel. [District Rule 4401, 5.3 and 5.3.2], [Federally Enforceable Through Title V]
12. Annual control efficiency compliance tests shall be performed on all vapor collection and control systems used to control emissions from steam-enhanced crude oil production wells. Testing shall be performed by ARB certified contractors during June, July, August or September of each year if the system's control efficiency is dependent upon ambient air temperature. The APCO may waive the requirements of this condition if the vapor control system does not exhaust to atmosphere or if all uncondensed VOC emissions collected by a vapor collection and control system are burned in fuel burning equipment or in a smokeless open flare and the source's Operating Permit contains adequate periodic monitoring to ensure the source meets 99% control efficiency. [District Rule 4401, 5.1, 5.2 and 6.2.1], [Federally Enforceable Through Title V]
13. The control efficiency of the vapor collection and control system designed to control VOC emissions from steam enhanced crude oil production wells shall be determined by mass balance based on most stringent of a source test, USEPA approved emission factors, or Air Pollution (AP)-42 emission factors for components and number of components; and the efficiency of destruction devices determined by USEPA Method 25, 25a, or 25b as applicable. [District Rule 4401, 6.3.1], [Federally Enforceable Through Title V]

14. VOC content shall be determined using the latest revision of ASTM Method E168, E169, or E260 as applicable. [District Rule 4401, 6.3.2], [Federally Enforceable Through Title V]

15. The source shall perform leak inspections at least annually, using a portable hydrocarbon detection instrument in accordance with EPA Method 21. [District Rules 2520, 9.4.2 and 4401, 6.3.3], [Federally Enforceable Through Title V]

16. Permittee shall maintain with the permit a current listing of all steam enhanced wells connected to the casing vent control system and shall make such listing readily available for District inspection upon request. [District Rule 4401, 6.1], [Federally Enforceable Through Title V]

17. The operation shall be equipped with heat exchangers, free water knockout, gas liquid separator, and vapor compressors with electric motors. [District NSR Rule], [Federally Enforceable Through Title V]

18. Noncondensibles shall be incinerated in approved incineration devices. [District NSR Rule], [Federally Enforceable Through Title V]

19. Volatile Organic Compound (VOC) emissions shall not exceed 1.71 lb/day. [District NSR Rule], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-156-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
210,000 GALLON FREE WATER KNOCKOUT TANK 5RM101

PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-157-2 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
62.5 MMBTU/HR NATURAL GAS FIRED STEAM GENERATOR #610 WITH COEN QLN LOW NOX BURNER, FIRING TEOR GAS AND TVR GAS FROM S-1703-154 AND S-1703-143

PERMIT UNIT REQUIREMENTS

1. Burner shall be equipped with fuel gas volume flowmeter (a master meter for a group of generators is acceptable upon District approval). [District Rule 4351]
2. Stack O2 shall be maintained between 0.5 and 3.0%. A District approved portable analyzer shall be used to monitor stack O2. [District Rule 2201]
3. Emission rates shall not exceed any of the following: VOC - 0.003 lb/MMBTU; NOx (as NO2) - 30 ppmv @ 3% O2 or 0.036 lb/MMBTU; CO - 38 ppmv @ 3% O2; or PM10 - 0.006 lb/MMBTU. [District Rules 2201 and 4351]
4. Fuel gas sulfur content shall not exceed 2 grains of sulfur per 100 dscf. [District Rule 2201]
5. Permittee shall comply with all applicable requirements of Rule 4001 including notification and reporting. [District Rule 4001]
6. Permittee shall demonstrate compliance with fuel gas sulfur limit by sample analysis of fuel gas monthly. [District Rule 2201]
7. Source testing to demonstrate compliance with NOx and CO emission limits shall be conducted within 60 days of startup and not less than once every 12 months, except as provided below. [District Rules 4305 and 4351]
8. Source testing to demonstrate compliance with NOx and CO emission limits shall be conducted not less than once every 36 months if compliance is demonstrated on two consecutive annual tests. [District Rules 4305 and 4351]
9. If permittee fails any compliance demonstration for NOx and CO emission limits when testing not less than once every 36 months, compliance with NOx and CO emission limits shall be demonstrated not less than once every 12 months. [District Rules 4305 and 4351]
10. Source test results from an individual unit that is identical to this unit, in terms of rated capacity, operational conditions, fuel used, and control method, as approved by the APCO, will satisfy the NOx and CO source testing requirement. [District Rules 4305 and 4351]
11. Compliance demonstration (source testing) shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District Rule 1081]
12. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081]
13. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081]
14. The following test methods shall be used: NOx (ppmv) - EPA Method 7E or ARB Method 100, NOx (lb/MMBtu) - EPA Method 19, CO (ppmv) - EPA Method 10 or ARB Method 100, stack gas oxygen - EPA Method 3 or 3A or ARB Method 100, and fuel gas sulfur content - ASTM D3246 or double GC for H2S and mercaptans. [District Rules 1081, 4305, and 4351]
15. The acceptable range of stack O2 concentration and visible mechanical burner settings shall be established by testing emissions from this unit or other representative units as approved by the District. The acceptable range shall be that for which compliance with applicable NOx and CO emissions rates have been demonstrated through source testing. [District Rules 4305, 4351]
16. The stack O2 concentration measurement and inspection of mechanical settings shall be conducted at least on a weekly basis. [District Rules 4305, 4351]
17. The permittee shall maintain records of the date and time of O2 measurements and burner adjustments, the measured O2 concentrations (% by volume), and the observed setting for burner register louvers. The records must also include a description of any corrective action taken to maintain the O2 concentration and the burner mechanical settings within the acceptable range. These records shall be retained at the premises for a period of no less than two years and shall be made available for District inspection upon request. [District Rules 4305, 4351]
18. If the O2 concentration or the burner mechanical setting deviate from the acceptable range, the permittee shall notify the District and return the O2 concentration or burner mechanical settings to within the acceptable range as soon as possible but no longer than one (1) hour after detection. If the O2 concentration or the burner settings are not returned to within the acceptable range within one hour, the permittee shall conduct an emissions test within 60 days, utilizing District-approved test methods, to demonstrate compliance with the applicable emission limits. [District Rule 4305]

19. Permittee shall maintain records of fuel rate and sulfur content. Records shall be maintained for a minimum period of two years and shall be made available for District inspection upon request. [District Rules 2201 and 4305]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-158-2 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
62.5 MMBTU/HR NATURAL GAS FIRED STEAM GENERATOR #620 WITH COEN QLN LOW NOX BURNER, FIRING TEOR GAS AND TVR GAS FROM S-1703-143 AND S-1703-154

PERMIT UNIT REQUIREMENTS

1. Burner shall be equipped with fuel gas volume flowmeter (a master meter for a group of generators is acceptable upon District approval). [District Rule 4351]
2. Stack O2 shall be maintained between 0.5 and 3.0%. A District approved portable analyzer shall be used to monitor stack O2. [District Rule 2201]
3. Emission rates shall not exceed any of the following: VOC - 0.003 lb/MMBTU; NOx (as NO2) - 30 ppmv @ 3% O2 or 0.036 lb/MMBTU; CO - 38 ppmv @ 3% O2; or PM10 - 0.006 lb/MMBTU. [District Rules 2201 and 4351]
4. Fuel gas sulfur content shall not exceed 2 grains of sulfur per 100 dscf. [District Rule 2201]
5. Permittee shall demonstrate compliance with fuel gas sulfur limit by sample analysis of fuel gas monthly. [District Rule 2201]
6. Permittee shall comply with all applicable requirements of Rule 4001 including notification and reporting. [District Rule 4001]
7. Source testing to demonstrate compliance with NOx and CO emission limits shall be conducted within 60 days of startup and not less than once every 12 months, except as provided below. [District Rules 4305 and 4351]
8. Source testing to demonstrate compliance with NOx and CO emission limits shall be conducted not less than once every 36 months if compliance is demonstrated on two consecutive annual tests. [District Rules 4305 and 4351]
9. If permittee fails any compliance demonstration for NOx and CO emission limits when testing not less than once every 36 months, compliance with NOx and CO emission limits shall be demonstrated not less than once every 12 months. [District Rules 4305 and 4351]
10. Source test results from an individual unit that is identical to this unit, in terms of rated capacity, operational conditions, fuel used, and control method, as approved by the APCO, will satisfy the NOx and CO source testing requirement. [District Rules 4305 and 4351]
11. Compliance demonstration (source testing) shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District Rule 1081]
12. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081]
13. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081]
14. The following test methods shall be used: NOx (ppmv) - EPA Method 7E or ARB Method 100, NOx (lb/MMBtu) - EPA Method 19, CO (ppmv) - EPA Method 10 or ARB Method 100, stack gas oxygen - EPA Method 3 or 3A or ARB Method 100, and fuel gas sulfur content - ASTM D3246 or double GC for H2S and mercaptans. [District Rules 1081, 4305, and 4351]
15. The acceptable range of stack O2 concentration and visible mechanical burner settings shall be established by testing emissions from this unit or other representative units as approved by the District. The acceptable range shall be that for which compliance with applicable NOx and CO emissions rates have been demonstrated through source testing. [District Rules 4305, 4351]
16. The stack O2 concentration measurement and inspection of mechanical settings shall be conducted at least on a weekly basis. [District Rules 4305, 4351]
17. The permittee shall maintain records of the date and time of O2 measurements and burner adjustments, the measured O2 concentrations (% by volume), and the observed setting for burner register louvers. The records must also include a description of any corrective action taken to maintain the O2 concentration and the burner mechanical settings within the acceptable range. These records shall be retained at the premises for a period of no less than two years and shall be made available for District inspection upon request. [District Rules 4305, 4351]
18. If the O2 concentration or the burner mechanical setting deviate from the acceptable range, the permittee shall notify the District and return the O2 concentration or burner mechanical settings to within the acceptable range as soon as possible but no longer than one (1) hour after detection. If the O2 concentration or the burner settings are not returned to within the acceptable range within one hour, the permittee shall conduct an emissions test within 60 days, utilizing District-approved test methods, to demonstrate compliance with the applicable emission limits. [District Rule 4305]

19. Permittee shall maintain records of fuel rate and sulfur content. Records shall be maintained for a minimum period of two years and shall be made available for District inspection upon request. [District Rule 2201 and 4305]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-159-3 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
62.5 MMBTU/HR NATURAL GAS FIRED STEAM GENERATOR #630 WITH COEN QLN LOW NOX BURNER, FIRING TEOR GAS AND TVR GAS FROM S-1703-154 AND S-1703-143

PERMIT UNIT REQUIREMENTS

1. Burner shall be equipped with fuel gas volume flowmeter (a master meter for a group of generators is acceptable upon District approval). [District Rule 4351, 5.6.1; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
2. Stack O2 shall be maintained between 0.5 and 3.0%. A District approved portable analyzer shall be used to monitor stack O2. [District NSR Rule], [Federally Enforceable Through Title V]
3. Emission rates shall not exceed any of the following: VOC - 0.003 lb/MMBtu; NOx (as NO2) - 30 ppmv @ 3% O2 or 0.036 lb/MMBtu; CO - 38 ppmv @ 3% O2; or PM10 - 0.006 lb/MMBtu. [District NSR Rule; District Rule 4351, 5.2], [Federally Enforceable Through Title V]
4. Fuel gas sulfur content shall not exceed 2 grains of sulfur per 100 dscf. [District NSR Rule], [Federally Enforceable Through Title V]
5. Permittee shall conduct sample analysis of fuel gas monthly. [District NSR Rule], [Federally Enforceable Through Title V]
6. Source testing for NOx and CO emissions shall be conducted within 60 days of startup and not less than once every 12 months, except as provided below. [District Rule 4305, 6.3; District Rule 4351, 6.3; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Source testing for NOx and CO emissions shall be conducted not less than once every 36 months if compliance is demonstrated on two consecutive annual tests. [District Rule 4305, 6.3; District Rule 4351, 6.3; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. If permittee fails any compliance demonstration for NOx and CO emission limits when testing not less than once every 36 months, source testing for NOx and CO emissions shall be conducted not less than once every 12 months. [District Rule 4305, 6.3; District Rule 4351, 6.3; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. Source test results from an individual unit that is identical to this unit, in terms of rated capacity, operational conditions, fuel used, and control method, as approved by the APCO, will satisfy the NOx and CO source testing requirement. [District Rule 4305, 6.3; District Rule 4351, 6.3; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. Source testing shall be conducted by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District Rule 1081], [Federally Enforceable Through Title V]
11. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
12. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]
13. The following test methods shall be used: NOx (ppmv) - EPA Method 7E or ARB Method 100, NOx (lb/MMBtu) - EPA Method 19, CO (ppmv) - EPA Method 10 or ARB Method 100, stack gas oxygen - EPA Method 3 or 3A or ARB Method 100, and fuel gas sulfur content - ASTM D3246 or double GC for H2S and mercaptans. [District Rules 1081; 4305, 6.2; and 4351, 6.2], [Federally Enforceable Through Title V]
14. The acceptable range of stack O2 concentration and visible mechanical burner settings shall be established by testing emissions from this unit or other representative units as approved by the District. The acceptable range shall be that for which compliance with applicable NOx and CO emissions rates have been demonstrated through source testing. [District NSR Rule], [Federally Enforceable Through Title V]
15. The stack O2 concentration measurement and inspection of mechanical settings shall be conducted at least on a weekly basis. [District NSR Rule], [Federally Enforceable Through Title V]
16. The permittee shall maintain records of the date and time of O2 measurements and burner adjustments, the measured O2 concentrations (% by volume), and the observed setting for burner register louvers. The records must also include a description of any corrective action taken to maintain the O2 concentration and the burner mechanical settings within the acceptable range. These records shall be retained at the premises and shall be made available for District inspection upon request. [District NSR Rule], [Federally Enforceable Through Title V]

17. If the O2 concentration or the burner mechanical setting deviate from the acceptable range, the permittee shall notify the District and return the O2 concentration or burner mechanical settings to within the acceptable range as soon as possible but no longer than one (1) hour after detection. If the O2 concentration or the burner settings are not returned to within the acceptable range within one hour, the permittee shall conduct an emissions test within 60 days, utilizing District-approved test methods, to demonstrate compliance with the applicable emission limits. [District NSR Rule], [Federally Enforceable Through Title V]

18. Permittee shall maintain records of fuel gas sulfur content. [District NSR Rule], [Federally Enforceable Through Title V]

19. All required source testing shall conform to the compliance testing procedures described in District Rule 1081(Amended December 16, 1993). [District Rule 1081, and County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera)], [Federally Enforceable Through Title V]

20. Copies of all fuel invoices, gas purchase contracts, supplier certifications, and test results used to determine compliance with the conditions of this permit shall be maintained. The operator shall record daily amount and type(s) of fuel(s) combusted and all dates on which unit is fired on any noncertified fuel [District Rule 2520, 9.4.2 and 40 CFR 60.48c(g)], [Federally Enforceable Through Title V]

21. Emissions of sulfur compounds from this unit shall not exceed 200 lb per hour, calculated as SO2. Compliance with this requirement may be demonstrated by firing the unit only on PUC or FERC regulated natural gas; or by testing the sulfur content of each fuel and determining the maximum hourly emissions of sulfur compounds by multiplying the sulfur content of each fuel in lb/MMBtu by the maximum heat input rating of the unit; or by source testing in combination with fuel analysis. [District Rules 2520, 9.4.2 and Rule 4301, 5.2.1], [Federally Enforceable Through Title V]

22. When complying with sulfur emission limits by fuel analysis or by a combination of source testing and fuel analysis, each fuel source shall be tested weekly for sulfur content and higher heating value. If compliance with the fuel sulfur content limit and sulfur emission limits has been demonstrated for 8 consecutive weeks for a fuel source, then the fuel testing frequency shall be monthly. If a monthly fuel content source test fails to show compliance, weekly testing shall resume. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

23. When complying with SOx emission limits by testing of stack emissions, testing shall be performed not less than once every 12 months using EPA Method 6B; or Method 8; or, for units using gaseous fuel scrubbed for sulfur pre-combustion, a grab sample analysis by GC-FPD/TCD performed in the laboratory and EPA Method 19 to calculated emissions. Gaseous fuel fired units demonstrating compliance on two consecutive annual source tests shall be tested not less than once every thirty-six months, however annual source testing shall resume if any test fails to show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

24. If the unit is fired on noncertified gaseous fuel and compliance with SOx emission limits is achieved through fuel sulfur content limitations, then the sulfur content of the gaseous fuel being fired in the unit shall be determined using ASTM D 1072-80, D 3031-81, D 4084-82, D 3246-81 or grab sample analysis by GC-FPD/TCD performed in the laboratory. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

25. If fuel analysis is used to demonstrate compliance with conditions of this permit, the fuel higher heating value for each fuel shall be certified by a third party fuel supplier or determined by ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89 for gaseous fuels. [District Rule 2520, 9.4.2; 4305, 6.2.1; and 4351, 6.2.1], [Federally Enforceable Through Title V]

26. Annual source testing shall be performed for NOx (ppmv) according to EPA Method 7E (or ARB Method 100), stack gas oxygen by EPA Method 3 or 3A (or ARB Method 100), and NOx emission rate (heat input basis) by EPA Method 19. Gaseous fired units demonstrating compliance on 2 consecutive annual tests shall be tested not less than once every 36 months. Annual testing shall resume if any such test fails to show compliance. [District Rule 4305, 6.2.2, 6.2.4-7, & 6.3.1 and 4351, 6.2.2 & 6.2.4-7, & 6.3; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

27. Test results submitted to the District from unit(s) representing a group of units may be used to demonstrate compliance with NOx limits for that group, provided the selection of the representative unit(s) is approved by the APCO prior to testing. Should any of the representative units exceed the required NOx emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. [District Rule 4305, 6.3.2 and 4351, 6.3; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

28. The following conditions must be met for representative unit(s) used to demonstrate compliance for NOx limits for a group of units: 1) all units are initially source tested and emissions from all units in group are similar, 2) all units in group are similar in terms of rated heat input, make and series, operation conditions, fuel used, and control method, 3) the group is owned by a single owner and located at a single stationary source, and 4) all units in the group shall have received the same maintenance and tune-up procedures as the representative unit(s). [District Rule 4305, 6.3.2; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

29. The number of representative units source tested to demonstrate compliance for NOx limits shall be at least 30% of the total number of units in the group. The units included in the 30% shall be rotated, so that when 3 source test cycles have been completed, all units in the entire group will have been tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

30. Nitrogen oxide (NOx) emission concentrations in ppmv shall be referenced at dry stack gas conditions, and shall be calculated to 3.00 percent by volume stack gas oxygen and averaged over 60 minutes, and lb/MMBtu rates shall be calculated as lb NO2/MMBtu of heat input (hhv). [District Rule 4305, 5.0, 8.2 and/or 4351, 8.1; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-160-3 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
62.5 MMBTU/HR NATURAL GAS FIRED STEAM GENERATOR #640 WITH COEN QLN LOW NOX BURNER, FIRING TEOR GAS AND TVR GAS FROM S-1703-143 AND S-1703-154

PERMIT UNIT REQUIREMENTS

1. Burner shall be equipped with fuel gas volume flowmeter (a master meter for a group of generators is acceptable upon District approval). [District Rule 4351, 5.6.1; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
2. Stack O2 shall be maintained between 0.5 and 3.0%. A District approved portable analyzer shall be used to monitor stack O2. [District NSR Rule], [Federally Enforceable Through Title V]
3. Emission rates shall not exceed any of the following: VOC - 0.003 lb/MMBtu; NOx (as NO2) - 30 ppmv @ 3% O2 or 0.036 lb/MMBtu; CO - 38 ppmv @ 3% O2; or PM10 - 0.006 lb/MMBtu. [District NSR Rule; District Rule 4351, 5.2], [Federally Enforceable Through Title V]
4. Fuel gas sulfur content shall not exceed 2 grains of sulfur per 100 dscf. [District NSR Rule], [Federally Enforceable Through Title V]
5. Permittee shall conduct sample analysis of fuel gas monthly. [District NSR Rule], [Federally Enforceable Through Title V]
6. Source testing for NOx and CO emissions shall be conducted within 60 days of startup and not less than once every 12 months, except as provided below. [District Rule 4305, 6.3; District Rule 4351, 6.3; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Source testing for NOx and CO emissions shall be conducted not less than once every 36 months if compliance is demonstrated on two consecutive annual tests. [District Rule 4305, 6.3; District Rule 4351, 6.3; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. If permittee fails any compliance demonstration for NOx and CO emission limits when testing not less than once every 36 months, source testing for NOx and CO emissions shall be conducted not less than once every 12 months. [District Rule 4305, 6.3; District Rule 4351, 6.3; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. Source test results from an individual unit that is identical to this unit, in terms of rated capacity, operational conditions, fuel used, and control method, as approved by the APCO, will satisfy the NOx and CO source testing requirement. [District Rule 4305, 6.3; District Rule 4351, 6.3; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. Source testing shall be conducted by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District Rule 1081], [Federally Enforceable Through Title V]
11. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
12. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]
13. The following test methods shall be used: NOx (ppmv) - EPA Method 7E or ARB Method 100, NOx (lb/MMBtu) - EPA Method 19, CO (ppmv) - EPA Method 10 or ARB Method 100, stack gas oxygen - EPA Method 3 or 3A or ARB Method 100, and fuel gas sulfur content - ASTM D3246 or double GC for H2S and mercaptans. [District Rules 1081; 4305, 6.2; and 4351, 6.2], [Federally Enforceable Through Title V]
14. The acceptable range of stack O2 concentration and visible mechanical burner settings shall be established by testing emissions from this unit or other representative units as approved by the District. The acceptable range shall be that for which compliance with applicable NOx and CO emissions rates have been demonstrated through source testing. [District NSR Rule], [Federally Enforceable Through Title V]
15. The stack O2 concentration measurement and inspection of mechanical settings shall be conducted at least on a weekly basis. [District NSR Rule], [Federally Enforceable Through Title V]
16. The permittee shall maintain records of the date and time of O2 measurements and burner adjustments, the measured O2 concentrations (% by volume), and the observed setting for burner register louvers. The records must also include a description of any corrective action taken to maintain the O2 concentration and the burner mechanical settings within the acceptable range. These records shall be retained at the premises and shall be made available for District inspection upon request. [District NSR Rule], [Federally Enforceable Through Title V]

17. If the O2 concentration or the burner mechanical setting deviate from the acceptable range, the permittee shall notify the District and return the O2 concentration or burner mechanical settings to within the acceptable range as soon as possible but no longer than one (1) hour after detection. If the O2 concentration or the burner settings are not returned to within the acceptable range within one hour, the permittee shall conduct an emissions test within 60 days, utilizing District-approved test methods, to demonstrate compliance with the applicable emission limits. [District NSR Rule], [Federally Enforceable Through Title V]

18. Permittee shall maintain records of fuel gas sulfur content. [District NSR Rule], [Federally Enforceable Through Title V]

19. All required source testing shall conform to the compliance testing procedures described in District Rule 1081(Amended December 16, 1993). [District Rule 1081, and County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera)], [Federally Enforceable Through Title V]

20. Copies of all fuel invoices, gas purchase contracts, supplier certifications, and test results used to determine compliance with the conditions of this permit shall be maintained. The operator shall record daily amount and type(s) of fuel(s) combusted and all dates on which unit is fired on any noncertified fuel [District Rule 2520, 9.4.2 and 40 CFR 60.48c(g)], [Federally Enforceable Through Title V]

21. Emissions of sulfur compounds from this unit shall not exceed 200 lb per hour, calculated as SO2. Compliance with this requirement may be demonstrated by firing the unit only on PUC or FERC regulated natural gas; or by testing the sulfur content of each fuel and determining the maximum hourly emissions of sulfur compounds by multiplying the sulfur content of each fuel in lb/MMBtu by the maximum heat input rating of the unit; or by source testing in combination with fuel analysis. [District Rules 2520, 9.4.2 and Rule 4301, 5.2.1], [Federally Enforceable Through Title V]

22. When complying with sulfur emission limits by fuel analysis or by a combination of source testing and fuel analysis, each fuel source shall be tested weekly for sulfur content and higher heating value. If compliance with the fuel sulfur content limit and sulfur emission limits has been demonstrated for 8 consecutive weeks for a fuel source, then the fuel testing frequency shall be monthly. If a monthly fuel content source test fails to show compliance, weekly testing shall resume. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

23. When complying with SOx emission limits by testing of stack emissions, testing shall be performed not less than once every 12 months using EPA Method 6B; or Method 8; or, for units using gaseous fuel scrubbed for sulfur pre-combustion, a grab sample analysis by GC-FPD/TCD performed in the laboratory and EPA Method 19 to calculated emissions. Gaseous fuel fired units demonstrating compliance on two consecutive annual source tests shall be tested not less than once every thirty-six months, however annual source testing shall resume if any test fails to show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

24. If the unit is fired on noncertified gaseous fuel and compliance with SOx emission limits is achieved through fuel sulfur content limitations, then the sulfur content of the gaseous fuel being fired in the unit shall be determined using ASTM D 1072-80, D 3031-81, D 4084-82, D 3246-81 or grab sample analysis by GC-FPD/TCD performed in the laboratory. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

25. If fuel analysis is used to demonstrate compliance with conditions of this permit, the fuel higher heating value for each fuel shall be certified by a third party fuel supplier or determined by ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89 for gaseous fuels. [District Rule 2520, 9.4.2; 4305, 6.2.1; and 4351, 6.2.1], [Federally Enforceable Through Title V]

26. Annual source testing shall be performed for NOx (ppmv) according to EPA Method 7E (or ARB Method 100), stack gas oxygen by EPA Method 3 or 3A (or ARB Method 100), and NOx emission rate (heat input basis) by EPA Method 19. Gaseous fired units demonstrating compliance on 2 consecutive annual tests shall be tested not less than once every 36 months. Annual testing shall resume if any such test fails to show compliance. [District Rule 4305, 6.2.2, 6.2.4-7, & 6.3.1 and 4351, 6.2.2 & 6.2.4-7, & 6.3; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

27. Test results submitted to the District from unit(s) representing a group of units may be used to demonstrate compliance with NOx limits for that group, provided the selection of the representative unit(s) is approved by the APCO prior to testing. Should any of the representative units exceed the required NOx emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. [District Rule 4305, 6.3.2 and 4351, 6.3; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

28. The following conditions must be met for representative unit(s) used to demonstrate compliance for NOx limits for a group of units: 1) all units are initially source tested and emissions from all units in group are similar, 2) all units in group are similar in terms of rated heat input, make and series, operation conditions, fuel used, and control method, 3) the group is owned by a single owner and located at a single stationary source, and 4) all units in the group shall have received the same maintenance and tune-up procedures as the representative unit(s). [District Rule 4305, 6.3.2; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

29. The number of representative units source tested to demonstrate compliance for NOx limits shall be at least 30% of the total number of units in the group. The units included in the 30% shall be rotated, so that when 3 source test cycles have been completed, all units in the entire group will have been tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

30. Nitrogen oxide (NOx) emission concentrations in ppmv shall be referenced at dry stack gas conditions, and shall be calculated to 3.00 percent by volume stack gas oxygen and averaged over 60 minutes, and lb/MMBtu rates shall be calculated as lb NO2/MMBtu of heat input (hhv). [District Rule 4305, 5.0, 8.2 and/or 4351, 8.1; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-161-3 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
62.5 MMBTU/HR NATURAL GAS FIRED STEAM GENERATOR #650 WITH COEN QLN LOW NOX BURNER, FIRING TEOR GAS AND TVR GAS FROM S-1703-154 AND S-1703-143

PERMIT UNIT REQUIREMENTS

1. Burner shall be equipped with fuel gas volume flowmeter (a master meter for a group of generators is acceptable upon District approval). [District Rule 4351, 5.6.1; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
2. Stack O2 shall be maintained between 0.5 and 3.0%. A District approved portable analyzer shall be used to monitor stack O2. [District NSR Rule], [Federally Enforceable Through Title V]
3. Emission rates shall not exceed any of the following: VOC - 0.003 lb/MMBtu; NOx (as NO2) - 30 ppmv @ 3% O2 or 0.036 lb/MMBtu; CO - 38 ppmv @ 3% O2; or PM10 - 0.006 lb/MMBtu. [District NSR Rule; District Rule 4351, 5.2], [Federally Enforceable Through Title V]
4. Fuel gas sulfur content shall not exceed 2 grains of sulfur per 100 dscf. [District NSR Rule], [Federally Enforceable Through Title V]
5. Permittee shall conduct sample analysis of fuel gas monthly. [District NSR Rule], [Federally Enforceable Through Title V]
6. Source testing for NOx and CO emissions shall be conducted within 60 days of startup and not less than once every 12 months, except as provided below. [District Rule 4305, 6.3; District Rule 4351, 6.3; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Source testing for NOx and CO emissions shall be conducted not less than once every 36 months if compliance is demonstrated on two consecutive annual tests. [District Rule 4305, 6.3; District Rule 4351, 6.3; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. If permittee fails any compliance demonstration for NOx and CO emission limits when testing not less than once every 36 months, source testing for NOx and CO emissions shall be conducted not less than once every 12 months. [District Rule 4305, 6.3; District Rule 4351, 6.3; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. Source test results from an individual unit that is identical to this unit, in terms of rated capacity, operational conditions, fuel used, and control method, as approved by the APCO, will satisfy the NOx and CO source testing requirement. [District Rule 4305, 6.3; District Rule 4351, 6.3; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. Source testing shall be conducted by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District Rule 1081], [Federally Enforceable Through Title V]
11. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
12. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]
13. The following test methods shall be used: NOx (ppmv) - EPA Method 7E or ARB Method 100, NOx (lb/MMBtu) - EPA Method 19, CO (ppmv) - EPA Method 10 or ARB Method 100, stack gas oxygen - EPA Method 3 or 3A or ARB Method 100, and fuel gas sulfur content - ASTM D3246 or double GC for H2S and mercaptans. [District Rules 1081; 4305, 6.2; and 4351, 6.2], [Federally Enforceable Through Title V]
14. The acceptable range of stack O2 concentration and visible mechanical burner settings shall be established by testing emissions from this unit or other representative units as approved by the District. The acceptable range shall be that for which compliance with applicable NOx and CO emissions rates have been demonstrated through source testing. [District NSR Rule], [Federally Enforceable Through Title V]
15. The stack O2 concentration measurement and inspection of mechanical settings shall be conducted at least on a weekly basis. [District NSR Rule], [Federally Enforceable Through Title V]
16. The permittee shall maintain records of the date and time of O2 measurements and burner adjustments, the measured O2 concentrations (% by volume), and the observed setting for burner register louvers. The records must also include a description of any corrective action taken to maintain the O2 concentration and the burner mechanical settings within the acceptable range. These records shall be retained at the premises and shall be made available for District inspection upon request. [District NSR Rule], [Federally Enforceable Through Title V]

17. If the O2 concentration or the burner mechanical setting deviate from the acceptable range, the permittee shall notify the District and return the O2 concentration or burner mechanical settings to within the acceptable range as soon as possible but no longer than one (1) hour after detection. If the O2 concentration or the burner settings are not returned to within the acceptable range within one hour, the permittee shall conduct an emissions test within 60 days, utilizing District-approved test methods, to demonstrate compliance with the applicable emission limits. [District NSR Rule], [Federally Enforceable Through Title V]

18. Permittee shall maintain records of fuel gas sulfur content. [District NSR Rule], [Federally Enforceable Through Title V]

19. All required source testing shall conform to the compliance testing procedures described in District Rule 1081(Amended December 16, 1993). [District Rule 1081, and County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera)], [Federally Enforceable Through Title V]

20. Copies of all fuel invoices, gas purchase contracts, supplier certifications, and test results used to determine compliance with the conditions of this permit shall be maintained. The operator shall record daily amount and type(s) of fuel(s) combusted and all dates on which unit is fired on any noncertified fuel [District Rule 2520, 9.4.2 and 40 CFR 60.48c(g)], [Federally Enforceable Through Title V]

21. Emissions of sulfur compounds from this unit shall not exceed 200 lb per hour, calculated as SO2. Compliance with this requirement may be demonstrated by firing the unit only on PUC or FERC regulated natural gas; or by testing the sulfur content of each fuel and determining the maximum hourly emissions of sulfur compounds by multiplying the sulfur content of each fuel in lb/MMBtu by the maximum heat input rating of the unit; or by source testing in combination with fuel analysis. [District Rules 2520, 9.4.2 and Rule 4301, 5.2.1], [Federally Enforceable Through Title V]

22. When complying with sulfur emission limits by fuel analysis or by a combination of source testing and fuel analysis, each fuel source shall be tested weekly for sulfur content and higher heating value. If compliance with the fuel sulfur content limit and sulfur emission limits has been demonstrated for 8 consecutive weeks for a fuel source, then the fuel testing frequency shall be monthly. If a monthly fuel content source test fails to show compliance, weekly testing shall resume. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

23. When complying with SOx emission limits by testing of stack emissions, testing shall be performed not less than once every 12 months using EPA Method 6B; or Method 8; or, for units using gaseous fuel scrubbed for sulfur pre-combustion, a grab sample analysis by GC-FPD/TCD performed in the laboratory and EPA Method 19 to calculated emissions. Gaseous fuel fired units demonstrating compliance on two consecutive annual source tests shall be tested not less than once every thirty-six months, however annual source testing shall resume if any test fails to show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

24. If the unit is fired on noncertified gaseous fuel and compliance with SOx emission limits is achieved through fuel sulfur content limitations, then the sulfur content of the gaseous fuel being fired in the unit shall be determined using ASTM D 1072-80, D 3031-81, D 4084-82, D 3246-81 or grab sample analysis by GC-FPD/TCD performed in the laboratory. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

25. If fuel analysis is used to demonstrate compliance with conditions of this permit, the fuel higher heating value for each fuel shall be certified by a third party fuel supplier or determined by ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89 for gaseous fuels. [District Rule 2520, 9.4.2; 4305, 6.2.1; and 4351, 6.2.1], [Federally Enforceable Through Title V]

26. Annual source testing shall be performed for NOx (ppmv) according to EPA Method 7E (or ARB Method 100), stack gas oxygen by EPA Method 3 or 3A (or ARB Method 100), and NOx emission rate (heat input basis) by EPA Method 19. Gaseous fired units demonstrating compliance on 2 consecutive annual tests shall be tested not less than once every 36 months. Annual testing shall resume if any such test fails to show compliance. [District Rule 4305, 6.2.2, 6.2.4-7, & 6.3.1 and 4351, 6.2.2 & 6.2.4-7, & 6.3; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

27. Test results submitted to the District from unit(s) representing a group of units may be used to demonstrate compliance with NOx limits for that group, provided the selection of the representative unit(s) is approved by the APCO prior to testing. Should any of the representative units exceed the required NOx emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. [District Rule 4305, 6.3.2 and 4351, 6.3; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

28. The following conditions must be met for representative unit(s) used to demonstrate compliance for NOx limits for a group of units: 1) all units are initially source tested and emissions from all units in group are similar, 2) all units in group are similar in terms of rated heat input, make and series, operation conditions, fuel used, and control method, 3) the group is owned by a single owner and located at a single stationary source, and 4) all units in the group shall have received the same maintenance and tune-up procedures as the representative unit(s). [District Rule 4305, 6.3.2; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

29. The number of representative units source tested to demonstrate compliance for NOx limits shall be at least 30% of the total number of units in the group. The units included in the 30% shall be rotated, so that when 3 source test cycles have been completed, all units in the entire group will have been tested. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

30. Nitrogen oxide (NOx) emission concentrations in ppmv shall be referenced at dry stack gas conditions, and shall be calculated to 3.00 percent by volume stack gas oxygen and averaged over 60 minutes, and lb/MMBtu rates shall be calculated as lb NO2/MMBtu of heat input (hhv). [District Rule 4305, 5.0, 8.2 and/or 4351, 8.1; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-163-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
5,000 BBL FIXED ROOF CRUDE OIL/WASTE WATER STORAGE TANK #50S106

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-164-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
31,500 GALLON/750 BARREL FIXED ROOF WASTEWATER TANK [TANK #TOC002]

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-165-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
42,000 GALLON/1,000 BBL FIXED ROOF WASTEWATER TANK [TANK #TOC003]

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-166-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
4,200 GALLON/100 BBL FIXED ROOF TEST TANK [TANK #ES1]

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-167-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
105,000 GALLON/2,500 BBL FIXED ROOF WASTEWATER TANK [TANK #25S105]

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-168-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
105,000 GALLON/2,500 BBL FIXED ROOF WASTEWATER TANK [TANK #25S190]

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-169-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
4,200 GALLON/100 BARREL FIXED ROOF BLEED TANK [TANK #J-1]

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-170-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
142,800 GALLON/3,400 BBL FIXED ROOF WASTEWATER TANK [TANK #34RM105]

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-171-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
4,200 GALLON/100 BBL FIXED ROOF SKIM TANK [TANK #S201]

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-172-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
10,500 GALLON/250 BBL FIXED ROOF TEST TANK [TANK #STA5]

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-173-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
10,500 GALLON/250 BBL FIXED ROOF TEST TANK [TANK #STA4-1]

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-174-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
10,500 GALLON/250 BBL FIXED ROOF TEST TANK [TANK #STA4-2]

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-175-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
4,200 GALLON/100 BBL FIXED ROOF TEST TANK [TANK #STA6]

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-176-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
4,200 GALLON/100 BBL FIXED ROOF TEST TANK [TANK #STA7]

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-177-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
21,000 GALLON/500 BBL FIXED ROOF TEST TANK [TANK #STA2-1]

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-178-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
21,000 GALLON/500 BBL FIXED ROOF TEST TANK [TANK #STA2-2]

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-1703-179-1 **EXPIRATION DATE:** 07/31/2005

EQUIPMENT DECRIPTION:
126,000 GALLON/3,000 BBL FIXED ROOF WASTEWATER TANK [TANK #3RM104]

PERMIT UNIT REQUIREMENTS

1. True vapor pressure of the petroleum liquid stored shall not exceed 1.5 psia at storage temperature. [District Rule 4623, 2.0], [Federally Enforceable Through Title V]
2. The operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in 40 CFR 60.113 and section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during the summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (amended 12/17/92). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of the API gravity of petroleum liquids stored in this unit to determine which oils are from a common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]